TELIUM MANAGER REFERENCE MANUAL

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1 Information relative to document

1_1 Change History

Revision	Change	Written by	Date
1	Update based on document ICO-PE-285-GU-EN-V2 => ENNOV Compliant with Telium Manager 78xx		08/20/2013
1.1	Compliant with Telium Manager 80xx Evolutions in Wi-Fi Setup 9_8		09/13/2013
1.2	Compliant with Telium Manager 82xx Precisions in Header description / LED		01/14/2014
1.3	Compliant with Telium Manager 84xx Precisions in Wi-Fi Setup 9_8 (Warning)		06/11/2014
1.4	Compliant with Telium Manager 84xx Evolutions in Bluetooth menu 9_12		09/04/2014
1.5	Compliant with Telium Manager 84xx Evolutions in Bluetooth menu 9_12		01/12/2015

1_2 Validation

	Name	Function	Signature	Date
Checked by	FORIEL L	Telium Manager Developper		01/12/2015
Checked by	ROUXEL A	Telium Manager & schemes Team Leader		01/12/2015
Checked by	FRIMOUR JL	Software Platform Architect		01/12/2015
Approved by	BARTHELEMY C	Software Platform Product Manager		01/12/2015

1_3 Objective

This document describes the procedure:

- To configure a terminal,
- To look up the various states of a terminal,
- To update a terminal,
- To diagnose problems on a terminal.

2 Function of applications manager

The Applications manager is called **"Telium manager".**

The applications manager is a software package loaded into the terminal either using a local loading tool (LLT) or by remote downloading (Ingestate or TMS).
The primary purpose of the applications manager is to activate various functions of the software used in the terminal.
In this respect, several softwares can be loaded into a terminal, independently of each other. The softwares are “tight” with respect to each other: they securely execute their own resources.

After a loading operation or after switching on the terminal, the operating system launches the applications manager.

The applications manager of the terminal then ensures the following functions:

- to prompt the operator to initialize his terminal, or an application, if necessary;
- to supervise the input of an amount and the passage of a card; then, to request the concerned application to execute the debit, credit or cancellation operation;
- to monitor the F (function) key to detect the other transactions or operations requested by the operator, after which it requests execution by the concerned application (modification of initialization parameters, lookup of transactions file or state of all applications, program upgrade…);
- to request installed applications to execute their periodic tasks (remote collection …).

The applications manager of the terminal accepts the French Banking and Non-Banking, French Health system and Export applications.

3 General information

3_1 Display

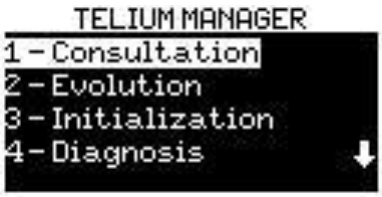
Tellium Manager adapts a set of information taking into account different parameters:

- Display resolutions,
- Display modes: Black and white, Color (LibGr), Advanced color (GOAL),
- Display orientation (portrait / landscape autodetection – tilt),

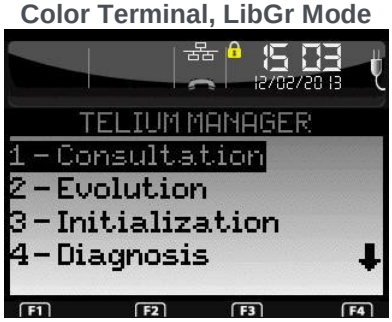
In addition, the GOAL mode manages the touch screen capability.

Examples of menu selection screen:

Black and White Terminal



Color Terminal, LibGr Mode



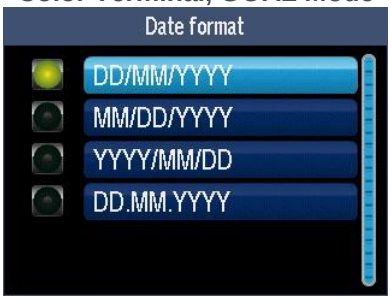
Color Terminal, GOAL Mode

Examples of data selection screen:

Black and White Terminal

Color Terminal, LibGr Mode

Color Terminal, GOAL Mode

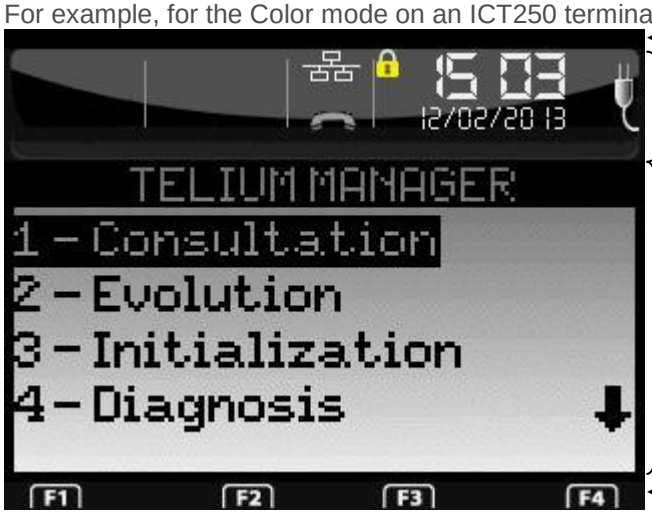


In this document, screen shots are from an ICT250 terminal (GOAL mode on the left side, LibGr mode on the right side) except for some specific items for which the terminal type is precised.

3_2 Display area

Depending on the type of terminal and the display mode, some screens are divided into 4 parts: leds, status bar, selection area and function area.
Except for the color, the selection area is strictly the same for the Black and White and Color displays.

For example, for the Color mode on an ICT250 terminal:



Software LEDs

Status bar (cf. chapter 7_6)

Selection area

Function area

3_3 Keypad

The keypad type depends on the terminal.

Terminals equipped with a man-machine interface have, at the least, the following keys:

- one green validation key [O];
- one red cancellation key [X];
- one yellow correction key [<];
- ten digital keys (from [0] to [9]);
- one decimal dot key [.];
- one function key [F];
- four function keys [F1], [F2], [F3], [F4], which can be screen-printed depending on the terminal type.

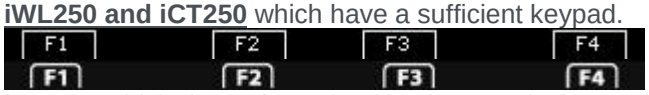
Some terminals have other keys. Refer to the terminal user manual for more information.

3_4 Function area

The function area is located at the bottom, at the right or at the left of the terminal screen, depending on the position of the context-sensitive keys. This area describes the functionality associated to each of the function keys.

The function area depends on the terminal type and on the running application. Hereafter are the default footers of some terminals:

iWL250 and iCT250 which have a sufficient keypad.



iWL280 which do not have function keys on its keypad.

iWL350 which have a minimal keypad (only F, X, <, O keys).

3_5 Terminal screens

This section describes the various types of screen, taking account of the user area. On terminals equipped with touch screens, a function can be selected by pressing on the screen.

Color Terminal, GOAL interface:

When the terminal is on the home screen (initialized terminal), you must press F to access this screen.

This screen lists the applications loaded into the terminal (including Telium Manager). Only the Telium Manager application is described in this manual. The other applications are not described here.

With the GOAL interface, the each application is represented by an icon.

You can move between the applications using the up and down keys.

Color Terminal, LibGR inteface:

Telium Manager or another installed application can be selected by pressing O or the context-sensitive "Validate" key with the GOAL interface.

With the “LibGR” interface, each application is represented by a number which appears before its name. You can select an application by pressing on the key corresponding to this number (0 for Telium Manager).

X is used to return to the startup screen.

4 Condition of terminal at power-up

When the terminal is switched on, the message displayed depends on the following factors:

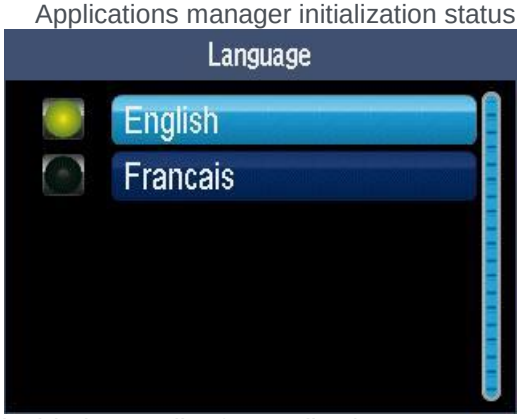
- No operating system

SCREEN	MEANING
“ : (“ ☹	The terminal operating system has not been loaded. The terminal is not activated (☹symbol). The unit must be sent to the maintenance shop.
“ :-) “ ☺	The terminal operating system has not been loaded. The terminal is activated (☺symbol). The unit must be sent to the maintenance shop.

- Applications manager present or not

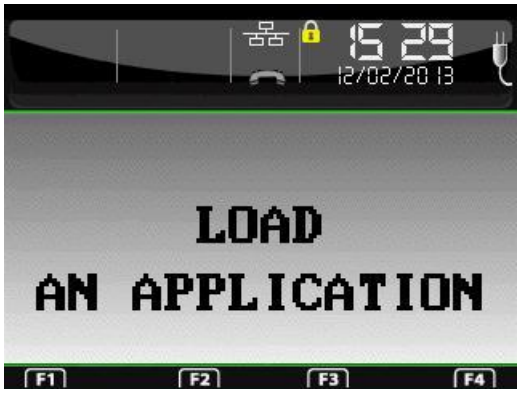
SCREEN	MEANING
LLT	The terminal applications manager has not been loaded. Load the applications manager. The procedure is given in the loading manual.

- Applications manager initialization status



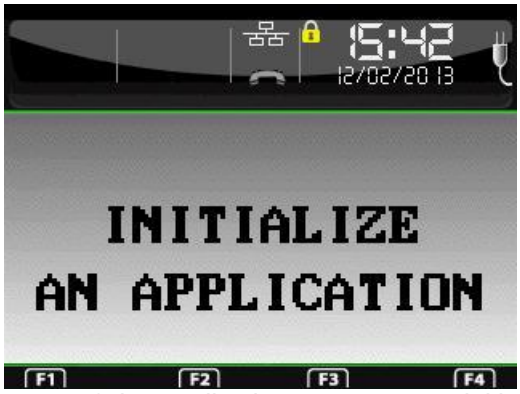
Terminal is in standby for applications manager initialization. Select the language as detailed in the “Applications manager initialization” section of this manual. Several languages may appear on the screen depending on the configuration loaded.

- No software



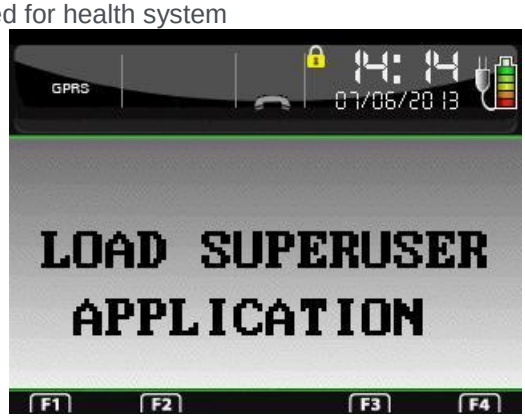
The applications manager is initialized but no application is present. Load or download an application. The procedure is given in the terminal loading manual.

- Presence of a software



The terminal applications manager is initialized but none of the applications present are initialized. Press the function key **F** and select the application to be initialized. Refer to the reference manual of the selected procedure for the initialization procedure.

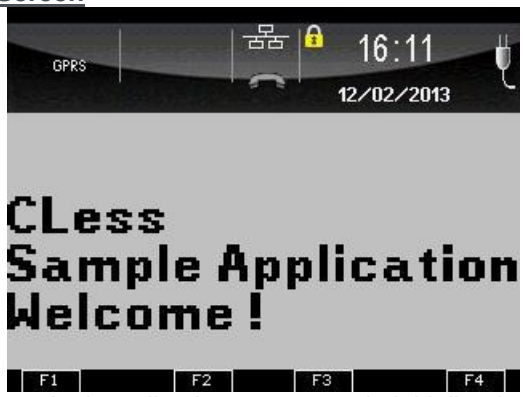
- No security component on terminal configured for health system

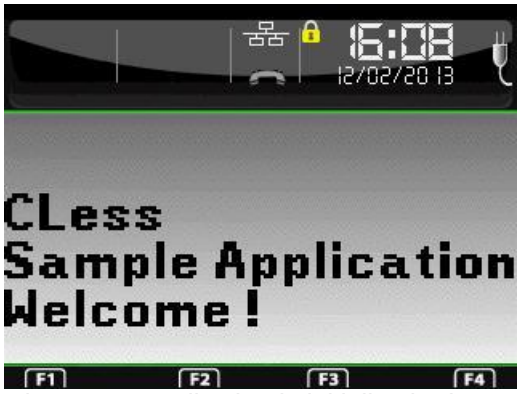


The terminal is initialized but the security software (HEALTH) is not present: load the software.

- Initialization status of at least one application.

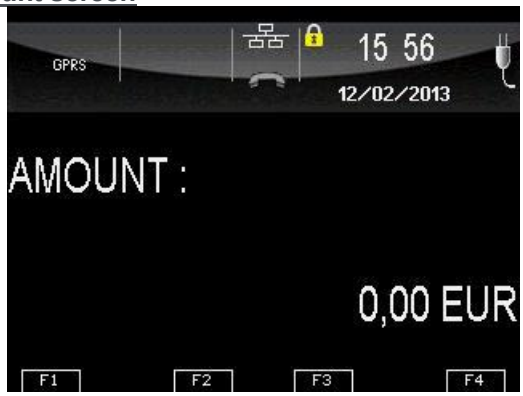
Idle Screen

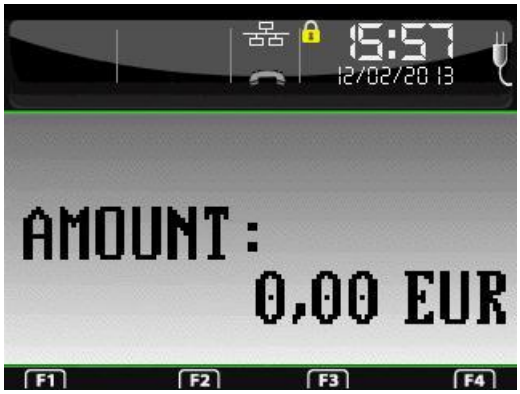




The terminal Applications manager is initialized and at least one application is initialized. The terminal is operational with the initialized application(s).
One of these applications manages the idle screen of the terminal.

Amount screen





The terminal Applications manager is initialized and at least one application is initialized. The terminal is operational with the initialized application(s).
The idle screen of the terminal is managed by the applications manager.

5 Preparatory information for initialization

5_1 Storage of parameters entered

For the **first initialization**, the parameters are stored only if all parameters required by the initialization have been covered. This does not apply to the date and time which are stored.
Following this, all the values entered during an initialization procedure are stored as soon as they are validated.

5_2 Drop data entry in progress

On each screen displayed during the initialization procedure, the operator can abort the current data entry by pressing the red (abort) key. In this case, the terminal will return to the screen displayed prior to the initialization request.

5_3 Parameters forming initialization

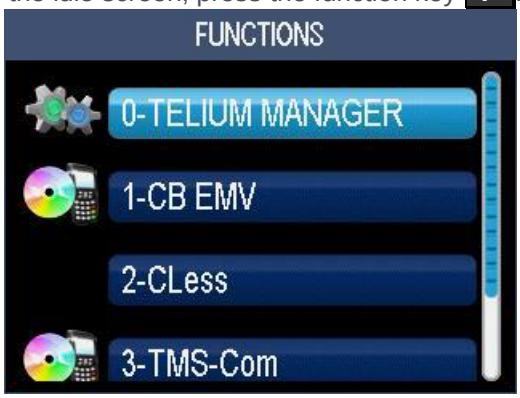
For the **first initialization**, all of the parameters forming the manager initialization are displayed successively and must be entered.
For the **following initializations**, and depending on the application software configuration (CB, health, export…), some parameters are masked by the applications.
Some parameters can disappear from the menus if the terminal considers that they are no longer updatable.

5_4 Access to parameters by a shortcut

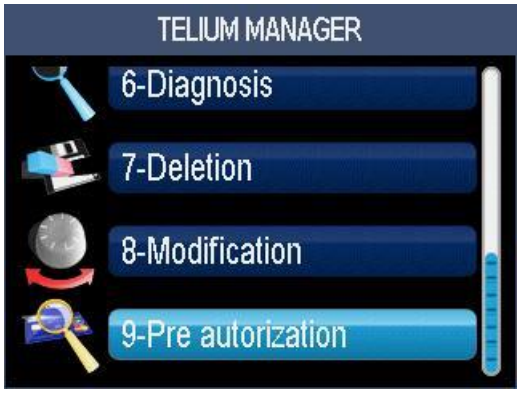
Each parameter of the manager can be accessed by a key sequence which is activated by pressing the function key **F**, followed by the dot key **.**, followed by a number.
The list of these shortcuts can be printed out by typing the sequence “F.0” on a terminal having a printer, and is also available in appendix.

6 Initialization of “applications manager” parameters

From the idle screen, press the function key **F**.



Then select the  icon or the “Telium Manager” item and validate (**shortcut: F.48**).



Item	Reference
Consultation	8_1 Lookup functions
Evolution	8_2 Upgrade function
Initialization	Below
Diagnosis	8_3 Diagnostic function
Deletion	8_4 Delete software
Modification	8_5 Modify configuration
License	8_6 License management

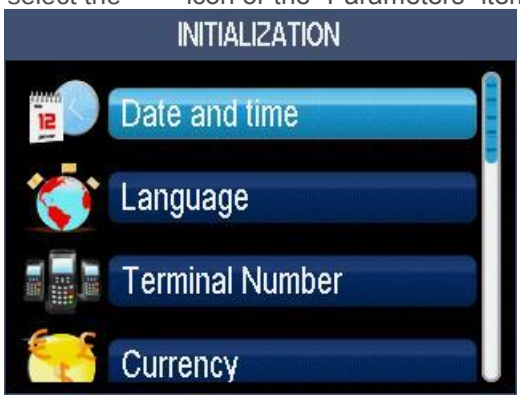
Select the  icon or the “Initialization” item and validate.

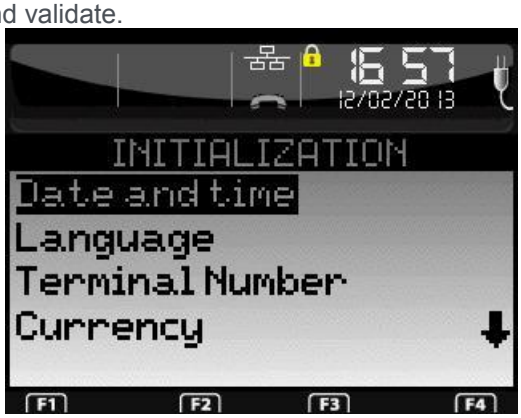
For other items; refer to the following table.

Item	Reference
SIM Code	7_1 Initialization of SIM code
PUK Code	7_2 Initialization of PUK code
Default Conf.	7_3 Restoration of default configuration
Screen Saver	7_4 Initialization of idle screen
Password	7_5 Initialization of protection manager password

Header	7_6 Status bar
Footer	7_7 Footer
Beep On Key	7_8 Buzzer
Beep On Pincode	7_9 Buzzer on pincode
PINPAD Emulation	7_10 IPP 3XX Pinpad emulation mode
Hardware	9 Hardware configuration

Then select the  icon or the “Parameters” item and validate.





Each icon or item corresponds to a parameter of the manager:

Item	Reference
Language	6_1 Initialization of language
Date and time	6_2 Initialization of date and time
Terminal Number	6_3 Setting the terminal number
Currency	6_4 Initialization of currency
Switchboard	6_5 Initialization of switchboard
Pinpad	6_6 Initialization of PINPAD
Contactless	6_7 Initialization of the contactless function
Stripe Reader	6_8 Initialization of magnetic strip reader
Serial Number	6_9 Display of Serial Number
Network Type	6_10 Initialization of the network
Fallback Network	6_11 Initialization of fallback network
Cash Connection	6_12 Initialization of cash register connection
TMS Network	6_13 Initialization of TMS network
PCI V4 Time Slot	6_14 Initialization of PCI v4 Time Slot
“Red key”	6_15 Exit “Parameters Initialization”

6_1 Initialization of language

Shortcut: F.13

From the “Parameters Initialization” screen, select the  icon or the “Language” item and validate.

The list of languages depends on the loaded configuration. Select the desired language.

6_2 Initialization of date and time

Shortcut: F.12

From the “Parameters Initialization” screen, select the  icon or the “Date and Time” item and validate.

Choose the type of setting to be performed.

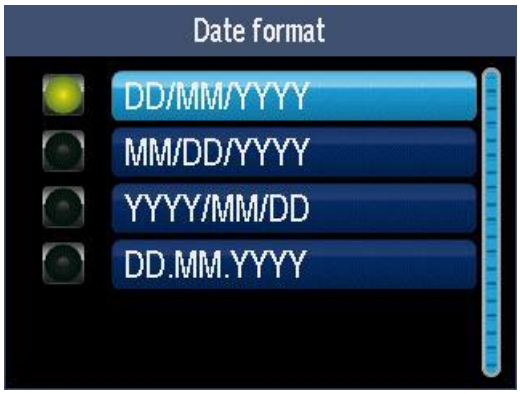
6_2_1 Setting the date

Enter the date in accordance with the date format then validate. A validity check is performed.

6_2_2 Setting the time

Enter the time then validate. A validity check is performed.
In “GOAL” mode and AM/PM format, user also has to select either “AM” or “PM”.

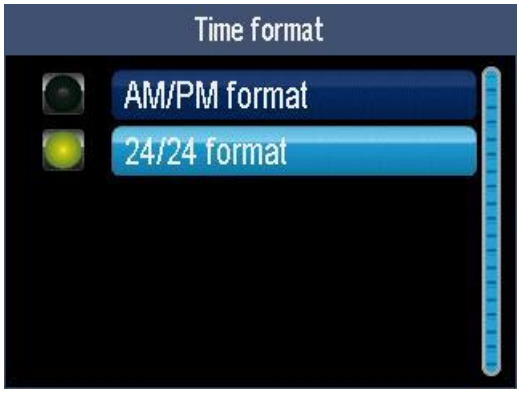
6_2_3 Setting the date format



Choose the desired format (Standard, US, Chinese and German) then validate.

6_2_4 Setting the time format

In this version of documentation, this item is only described in “GOAL” mode. Other mode will be documented in future documentation.

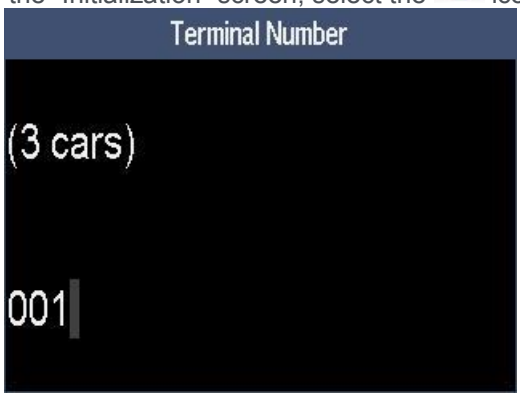


Select the display format of the time. Then validate.

6_3 Setting the terminal number

Shortcut: F.14

From the “Initialization” screen, select the  icon or the “Terminal Number” item and validate.

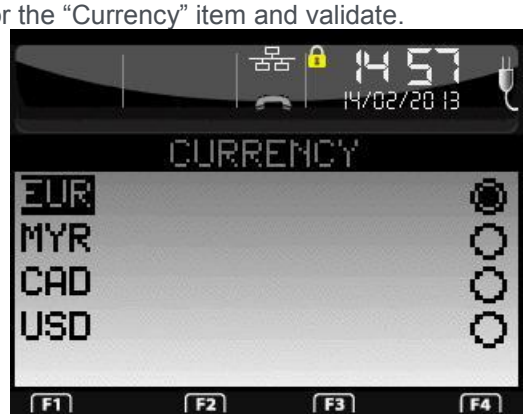


Enter the terminal number (three digits required) then validate.

6_4 Initialization of currency

Shortcut: F.15

From the “Initialization” screen, select the  icon or the “Currency” item and validate.

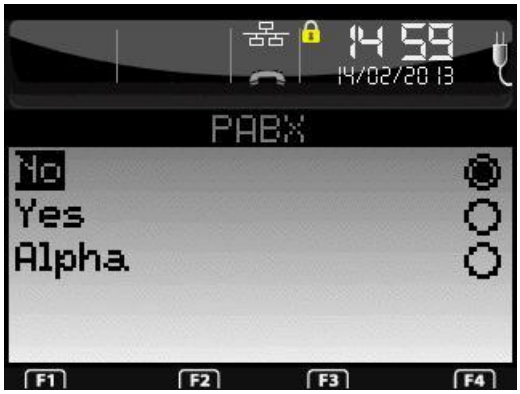


Select the default currency to be displayed on the amount screen of the terminal. Then validate.

6_5 Initialization of switchboard

Shortcut: F.16

From the “Initialization” screen, select the  icon or the “Switchboard” item and validate.

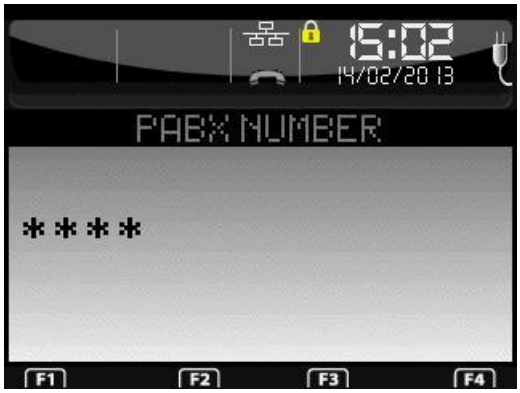


This menu is used to adapt the terminal to the phone line on which it is connected by defining the following parameters:

- **presence** (or absence) of private **switchboard** between the terminal and the phone line,
- DTMF or pulse **dialing,**
- **Other parameters** like tone detection, various hold…

6_5_1 Switchboard configured with “Yes”

Choose the dialing mode before the private switchboard: either DTMF (voice frequency dialing) or pulse (decimal dialing).



Enter the number (1 to 13 alphanumeric characters) to use to connect the terminal to the public network through the private switchboard.

Choose the dialing mode after the private switchboard: either DTMF (voice frequency dialing) or pulse (decimal dialing).

6_5_2 Switchboard configured with “Alpha”

Enter up to fifteen characters. Press “F1” key for help.

6_6 Initialization of PINPAD

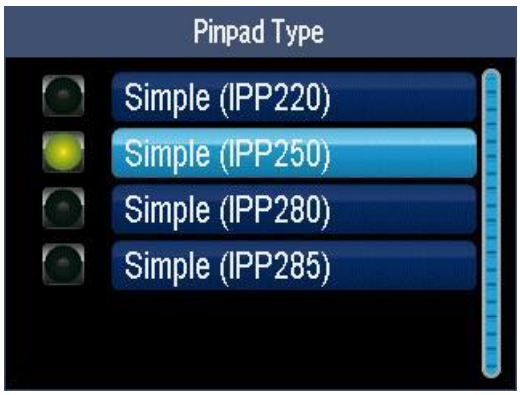
Shortcut: F.17

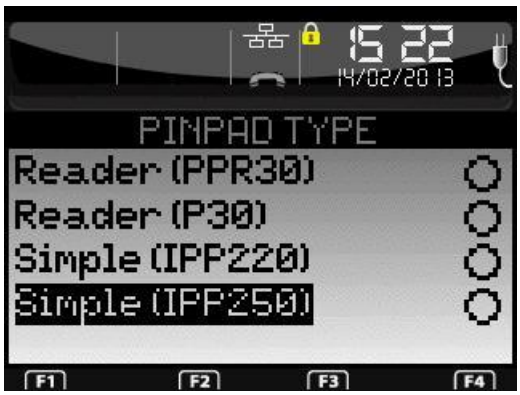
From the “Parameters Initialization” screen, select the  icon or the “Pinpad” item and validate.

Select in the list either:

- "None" to inhibit the pinpad or because there is no pinpad, or
- "Yes" to select manually the pinpad, or
- "Autodetect" to let the terminal select the pinpad

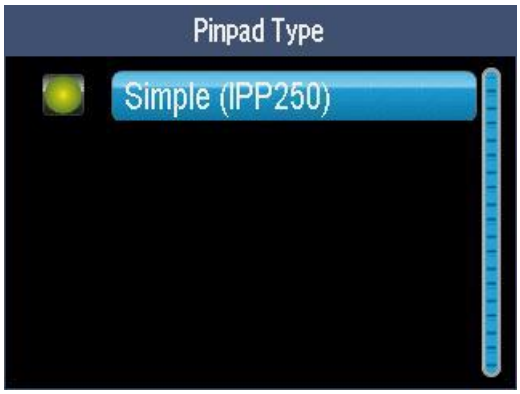
6_6_1 Initialization of pinpad type





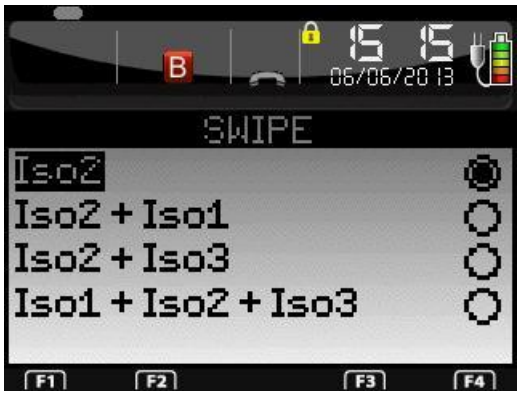
Choose the type of the PINPAD in the proposed list. After validation, terminal may propose to configure it (refer 6_6_3 Initialization of the stripe reader on a P30 pinpad and 6_6_4 Initialization of the background color of a IPP250 pinpad).

6_6_2 Pinpad auto detect



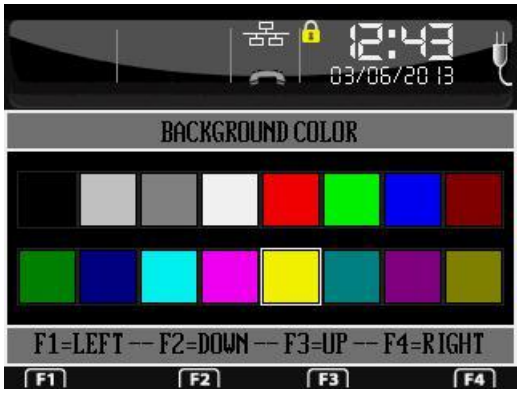
The terminal detects the pinpad type. After validation, terminal may propose to configure it (refer 6_6_3 Initialization of the stripe reader on a P30 pinpad and 6_6_4 Initialization of the background color of a IPP250 pinpad).

6_6_3 Initialization of the stripe reader on a P30 pinpad



Configure the type of the stripe reader on the pinpad.
This screen appears only if the terminal offers fewer reading possibilities than the pinpad.

6_6_4 Initialization of the background color of a IPP250 pinpad



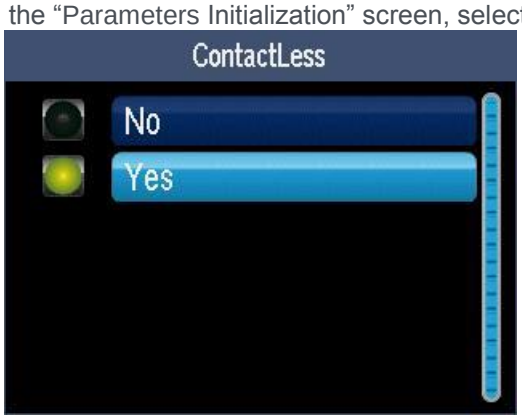
Select the desired color using the navigation keys.

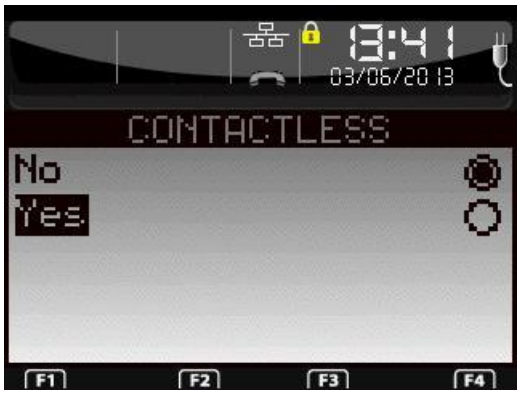
Only with “LibGR”, press the “F” key then use the navigation keys to refine the color.

6_7 Initialization of the contactless function

Shortcut: F.41

From the “Parameters Initialization” screen, select the  icon or the “Contactless” item and validate.





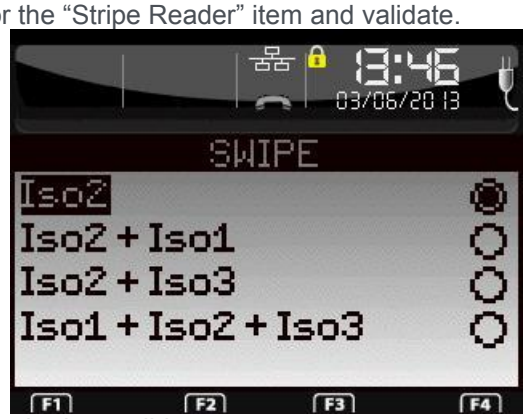
The contactless function is activated by selecting the “Yes” option.

Select the type of the target connected to the terminal. The “Internal” option means that the contactless function is integrated into the terminal.

6_8 Initialization of magnetic strip reader

Shortcut: F.18

From the “Initialization” screen, select the  icon or the “Stripe Reader” item and validate.



Select the tracks to read on the magnetic strip of a card. Then validate.

6_9 Display of Serial Number

Shortcut: F.19

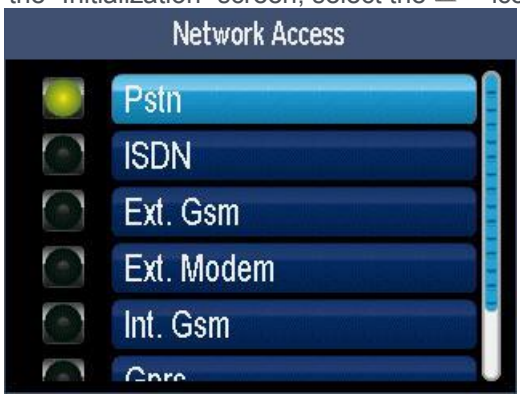
From the “Initialization” screen, select the  icon or the “Serial Number” item and validate.

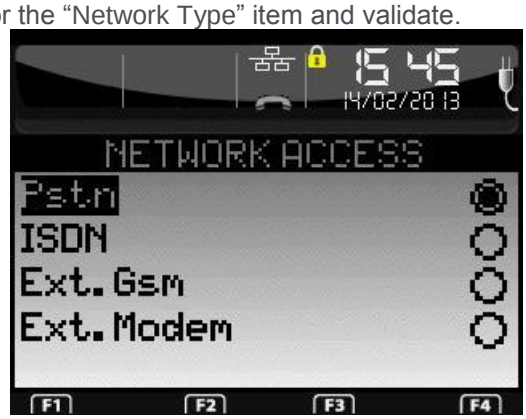
By default, the displayed number is the production serial number.
Caution: This parameter can not be entered (factory data).

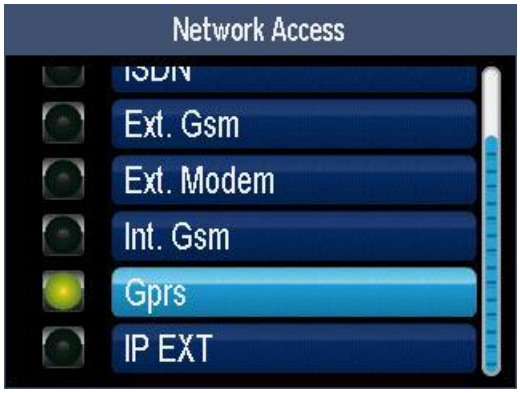
6_10 Initialization of the network access

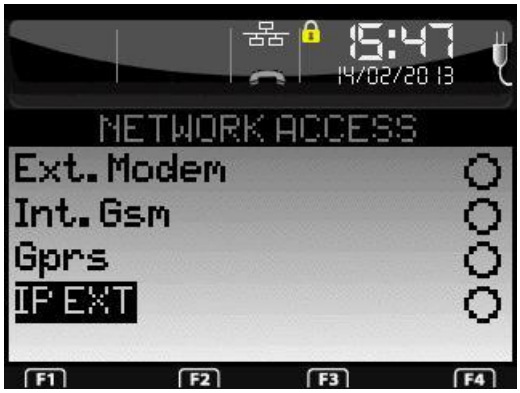
Shortcut: F.20

From the “Initialization” screen, select the  icon or the “Network Type” item and validate.







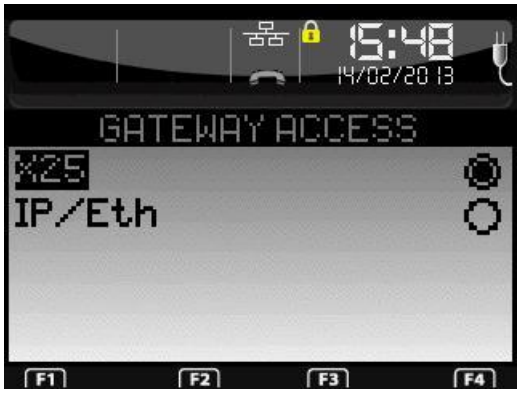


Select the network access to be used for transfert of the application data streams (not for download). Depending on the terminal type, some options are not available.

Item	Reference
PSTN	6_10_1 PSTN network
ISDN	6_10_2 ISDN network
Ext. Modem	6_10_3 External modem network
Ext. GSM	6_10_4 External GSM network
Int. GSM	6_10_5 Internal GSM network
GPRS	6_10_6 GPRS network
IP EXT	6_10_7 IP EXT network

6_10_1 PSTN network

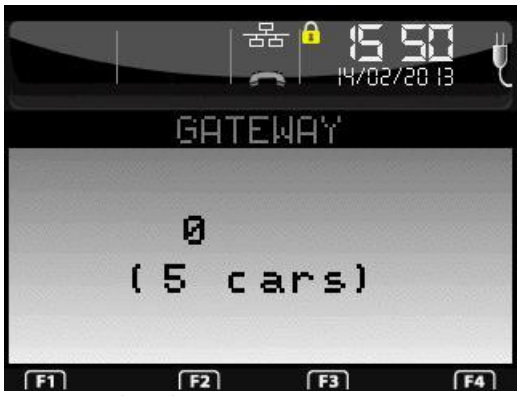
6_10_1_1 PSTN type



Select one of the two possibilities:

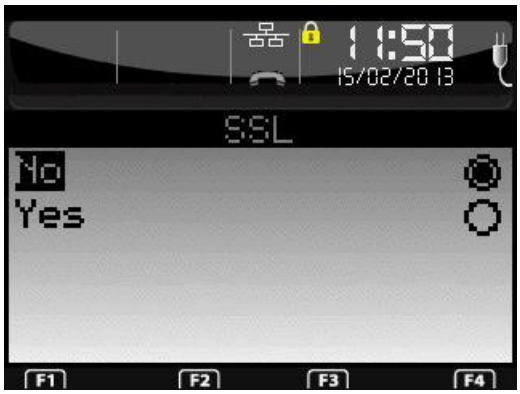
- **X25** – access to Transpac servers via internal modem and PAD. If selected, the configuration of the network is finished.
- **IP/Eth** – access to Transpac servers via IP/X25 gateway.

6_10_1_2 Gateway for IP/ETH access



Enter the gateway number (refer 11_2 List of the gateway numbers).

6_10_1_3 SSL for IP/ETH access



Activate SSL if the gateway number is odd.

If SSL is activated, select a SSL profile in the list.

6_10_1_4 IP address

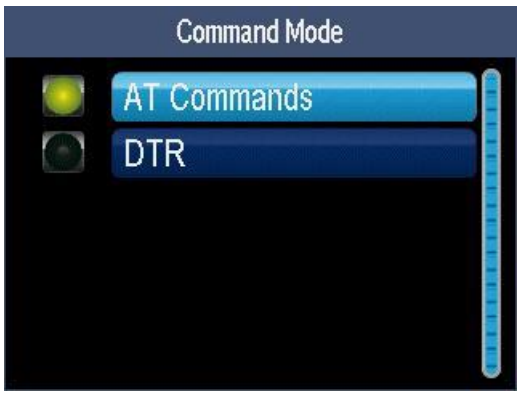
Enter the IP address. IP Address is composed of four digital fields, each one from 0 to 255.

6_10_1_5 port

Enter the port number (up to ten digits). Then refer to 6_11 Initialization of fallback network.

6_10_2 ISDN network

The list depends on the hardware configuration.



Select the command mode. Then refer to 6_11 Initialization of fallback network.

6_10_3 External modem network

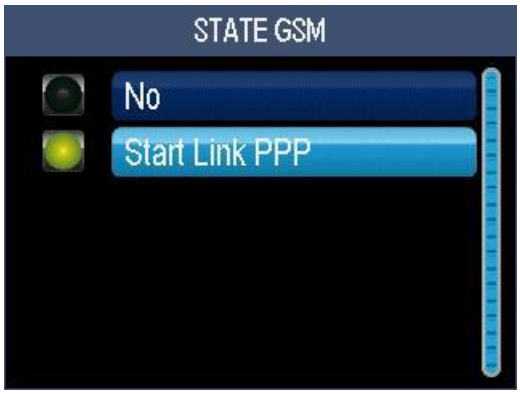
The list depends on the hardware configuration.

6_10_4 External GSM network

The list depends on the hardware configuration.

6_10_5 Internal GSM network

The list depends on the hardware configuration. This screen is not available for the GSM terminal.



Select if the GSM module shall be activated at start-up or not (available only for export configurations).

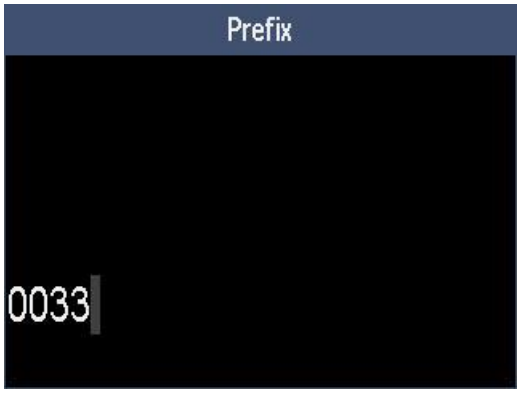
6_10_5_1 V32bis PAD

To force GSM communication via a V32bis PAD number (other than that configured by bank server).

Enter the PAD number (displayed only if you select “Enable” on previous screen).

6_10_5_2 V32bis prefixed

Define a fixed dialing prefix for electronic banking communications from abroad.

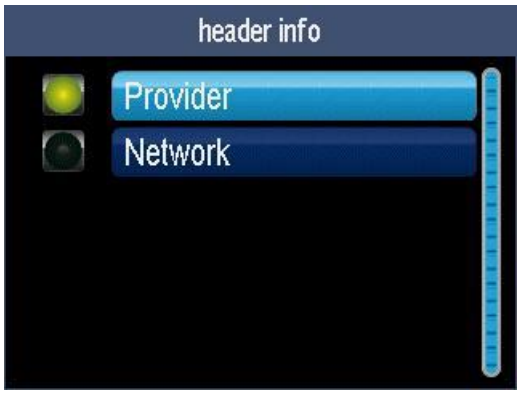


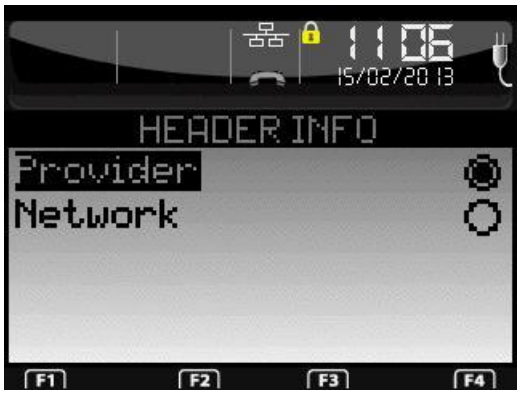
Enter the prefix number as "0033" to reach a server in France (displayed only if you select “Enable” on previous screen).

6_10_5_3 Connection type on base

Select the type of electronic banking communications when the terminal is on its base.

6_10_5_4 Display in the status bar





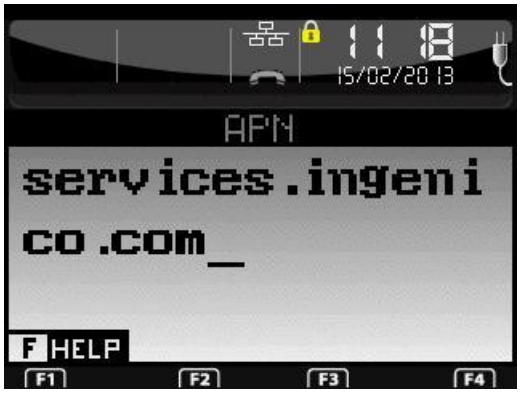
Select the name to display in the status bar: either the access provider (MVNO) or the operator.

6_10_6 GPRS network

6_10_6_1 Serial link

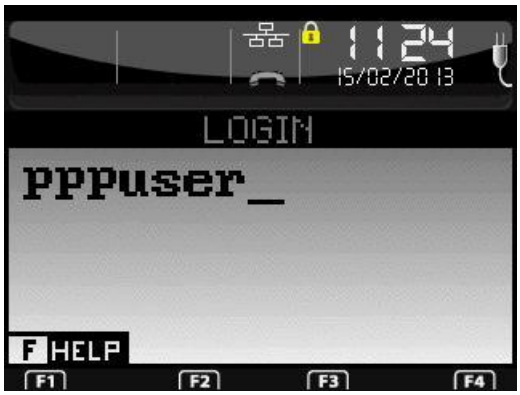
The list depends on the hardware configuration. This screen is not available for the GPRS terminal.

6_10_6_2 APN



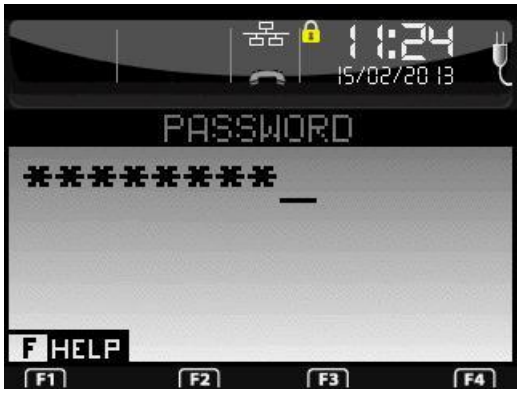
Enter the APN then validate.

6_10_6_3 Login



Enter the login then validate.

6_10_6_4 Password

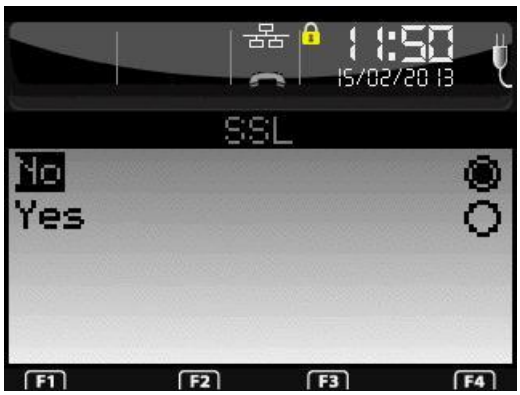


Enter the password then validate.

6_10_6_5 Gateway

Enter a gateway number (refer 11_2 List of the gateway numbers).

6_10_6_6 SSL



Activate SSL if the gateway number is odd.

If SSL is activated, select a SSL profile in the list.

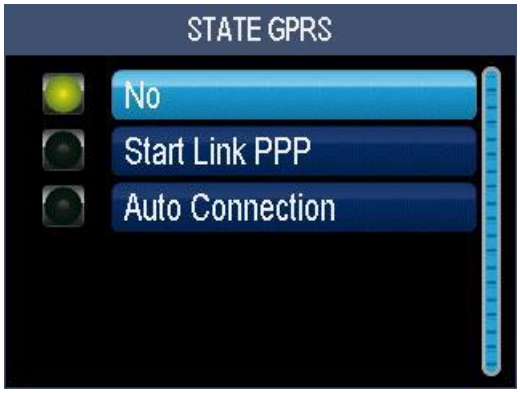
6_10_6_7 IP address

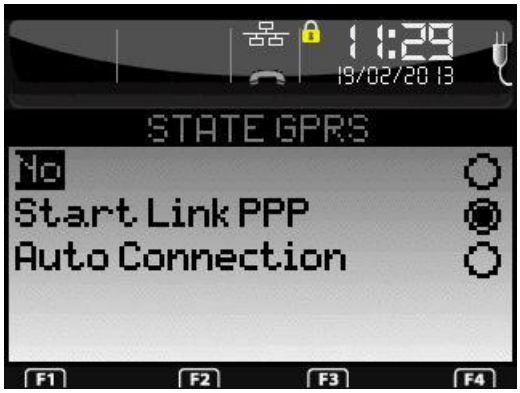
Enter the IP address. IP Address is composed of four digital fields, each one from 0 to 255.

6_10_6_8 Port

Enter the port number (up to ten digits).

6_10_6_9 GPRS module startup





Select if the GPRS module shall be activated at start-up or not (available only for export configurations).

6_10_6_10 Connection type on base

Select the type of electronic banking communications when the terminal is on its base.

6_10_6_11 Display in the status bar

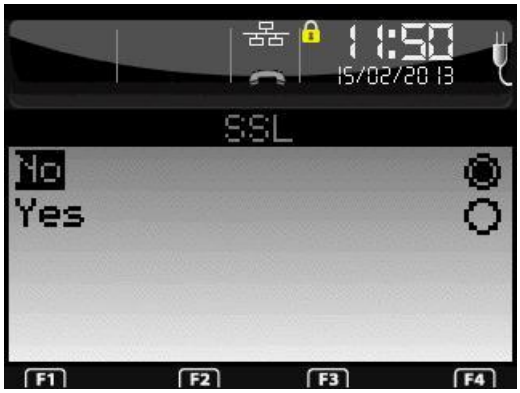
Select the name to display in the status bar: either the access provider (MVNO) or the operator.
Then refer to 6_11 Initialization of fallback network.

6_10_7 IP EXT network

6_10_7_1 Gateway

Enter a gateway number (refer 11_2 List of the gateway numbers).

6_10_7_2 SSL



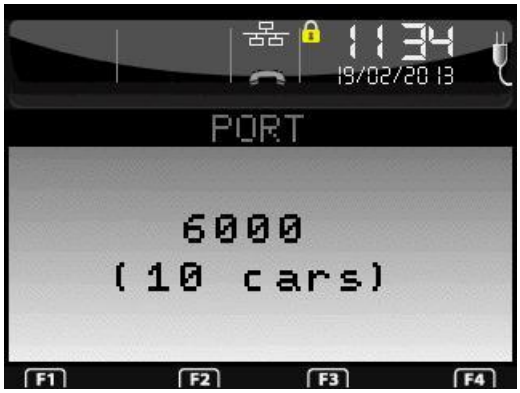
Activate SSL if the gateway number is odd.

If SSL is activated, select a SSL profile in the list.

6_10_7_3 IP address

Enter the IP address (four digital fields, each one from 0 to 255).

6_10_7_4 Port

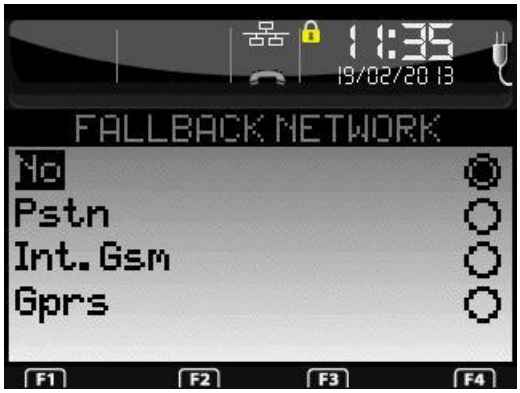


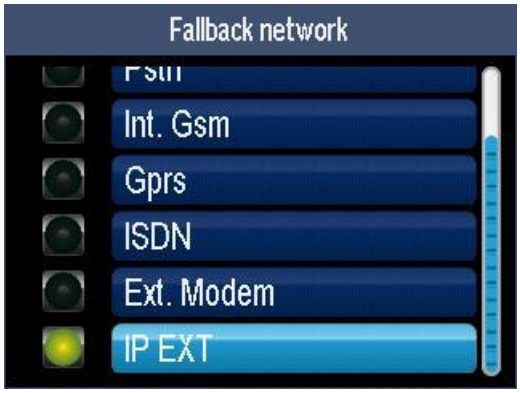
Enter the port number (up to ten digits). Then refer to 6_11 Initialization of fallback network.

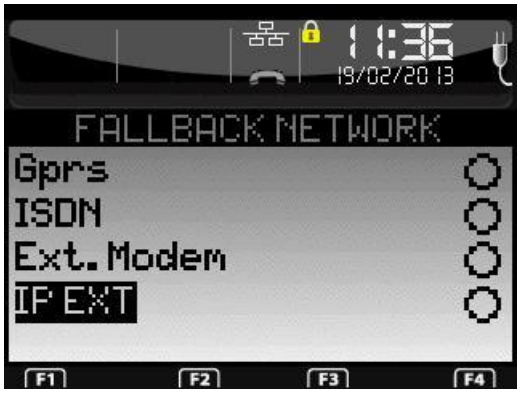
6_11 Initialization of fallback network

The following screen is displayed subsequently to the network configuration selecting either:

- PSTN with IP/Eth access, or
- ISDN, or
- GPRS, or
- IP EXT







Select a fallback network in case of communication failure of the main network.

Depending on the terminal type and on the main network, some options are not available. The following table describes all possible associations:

		No	PSTN	ISDN	Ext. GSM	Int. GSM	GPRS	IP EXT
Main network	PSTN	X	X	X	X	X	X	X
	ISDN	X		X	X	X	X	X
	Ext. Modem							
	Ext. GSM							
	Int. GSM							
	GPRS	X	X	X	X	X	X	X
	IP EXT	X	X	X	X	X	X	X

For the configuration of a fallback network, refer to its equivalent in the main network:

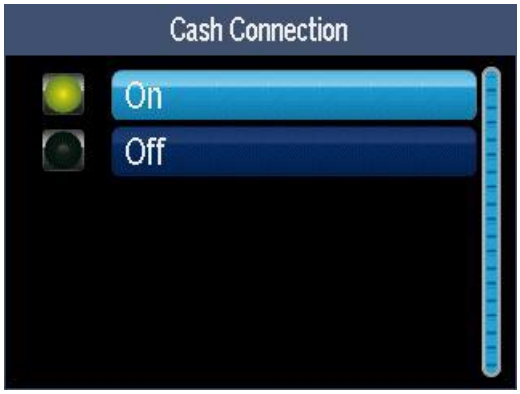
Item	Reference
PSTN	6_10_1 PSTN network
ISDN	6_10_2 ISDN network
Ext. Modem	6_10_3 External modem network
Ext. GSM	6_10_5 Internal GSM network
Int. GSM	6_10_6 GPRS network
GPRS	6_10_7 IP EXT network
IP EXT	6_10_1 PSTN network

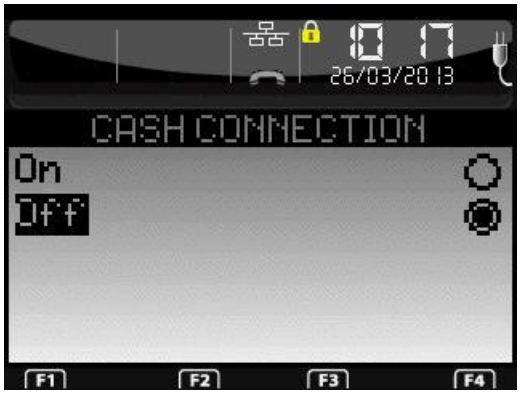
6_12 Initialization of cash register connection

Shortcut: F.21

From the “Initialization” screen, select the  icon or the “Cash register” item and validate.

6_12_1 Activation of the cash register connection

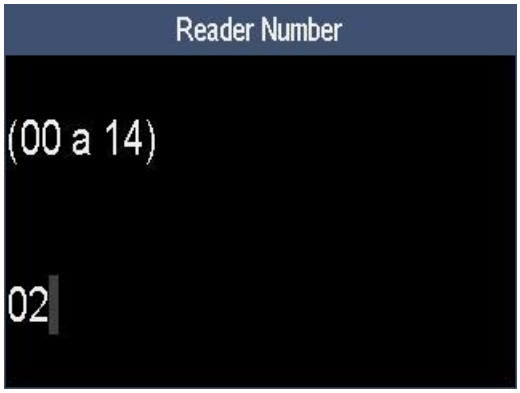


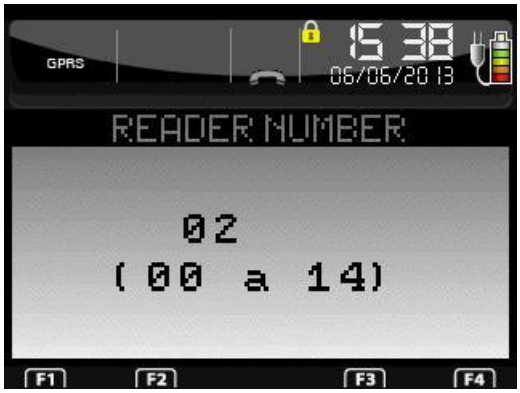


Declare (or not) the connection to a computer system. Activate only if there is an effective connection to a computer system, **in particular in the “health” system context**.

Following screens are for **“health” system context** only.

6_12_2 Initialization of the cash register connection





Enter the reader number (two digits – usually "02", “01” being reserved to the workstation).

The list depends on the hardware configuration.

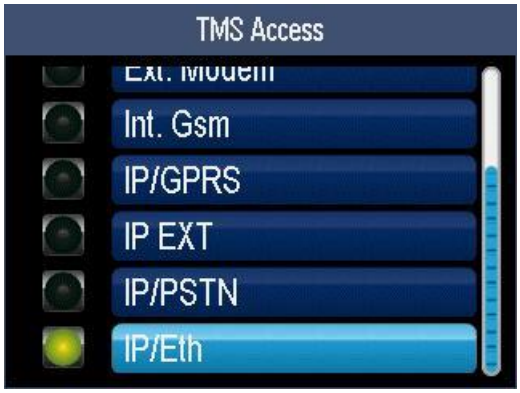
Select the dialog speed on the serial link.

6_13 Initialization of TMS network

Shortcut: F.22

From the “Initialization” screen, select the  icon or the “TMS” item and validate.

Access to the TMS menu may be protected by password.

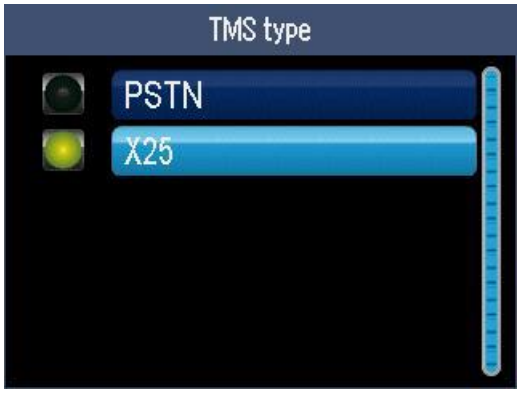


The list depends on the hardware configuration.

Item	Reference
Modem	6_13_1 Internal modem TMS network
ISDN	6_13_2 ISDN TMS network
Ext. Modem	6_13_3 External modem TMS network
Int. GSM	6_13_4 Internal GSM
IP/GPRS	6_13_5 IP/GPRS TMS network
IP EXT	6_13_6 IP EXT TMS network
IP/PSTN	6_13_7 IP/PSTN TMS network
IP/Eth	6_13_8 IP/ETH TMS network

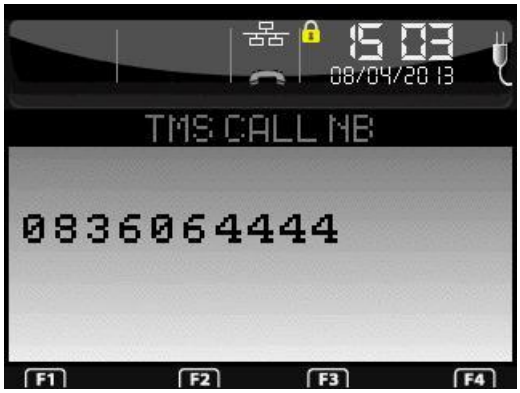
6_13_1 Internal modem TMS network

6_13_1_1 TMS type



The X25 access provides access to Transpac servers by internal modem and PAD.

6_13_1_2 TMS PAD number



If “PSTN” was selected, enter the TMS phone number (up to 15 digits). After validation, refer to 6_13_9 Common TMS.
If “X25” was selected, enter the PAD number.

6_13_1_3 TMS center number

For “X25” only, enter the X25 subscriber number (TRANSPAC, up to 14 digits) to call. After validation, refer to 6_13_9 Common TMS.

6_13_2 ISDN TMS network

6_13_2_1 TMS serial link

The list depends on the hardware configuration.

6_13_2_2 TMS center number

Enter the X25 subscriber number (TRANSPAC, up to 14 digits) to call. After validation, refer to 6_13_9 Common TMS.

6_13_3 External modem TMS network

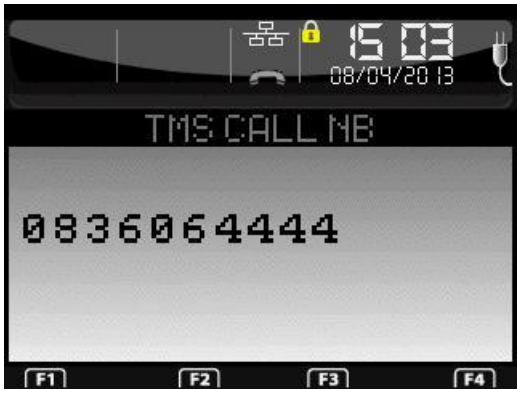
6_13_3_1 TMS type

The X25 access provides access to Transpac servers by internal modem and PAD.

6_13_3_2 TMS serial link

The list depends on the hardware configuration.

6_13_3_3 TMS PAD number



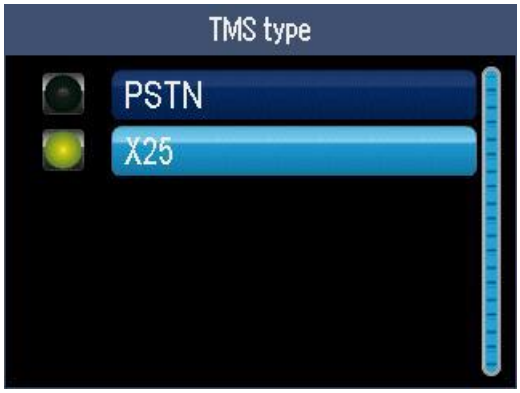
If “PSTN” was selected, enter the TMS phone number (up to 15 digits). After validation, refer to 6_13_9 Common TMS.
If “X25” was selected, enter the PAD number.

6_13_3_4 TMS center number

For “X25” only, enter the X25 subscriber number (TRANSPAC, up to 14 digits) to call. After validation, refer to 6_13_9 Common TMS.

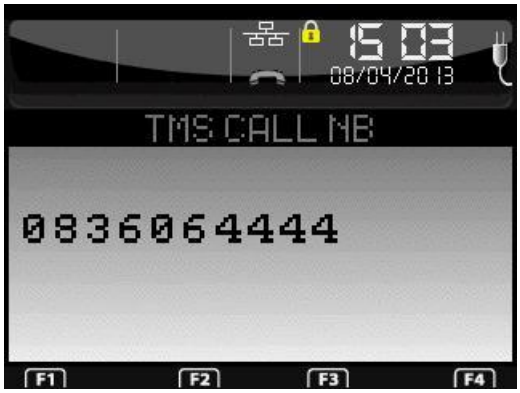
6_13_4 Internal GSM TMS network

6_13_4_1 TMS type



The X25 access provides access to Transpac servers by internal modem and PAD.

6_13_4_2 TMS PAD number



If “PSTN” was selected, enter the TMS phone number (up to 15 digits). After validation, refer to 6_13_9 Common TMS.
If “X25” was selected, enter the PAD number.

6_13_4_3 TMS center number

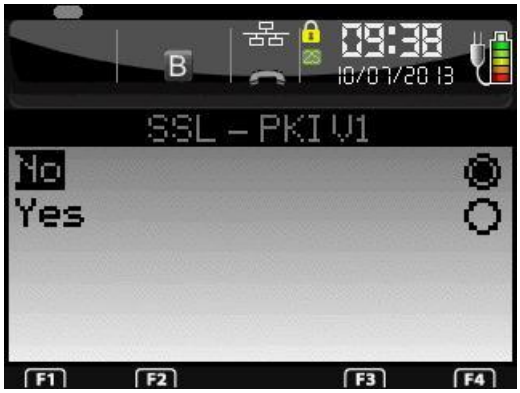
For “X25” only, enter the X25 subscriber number (TRANSPAC, up to 14 digits) to call. After validation, refer to 6_13_9 Common TMS.

6_13_5 IP/GPRS TMS network

6_13_5_1 TMS type

The list depends on the hardware configuration. This screen is not available for the GPRS terminal.

6_13_5_2 SSL activation



Activate SSL if necessary.

Select a SSL profile in the list. This screen is displayed only if SSL was activated on previous screen.

6_13_5_3 Address

Select the type of the address.

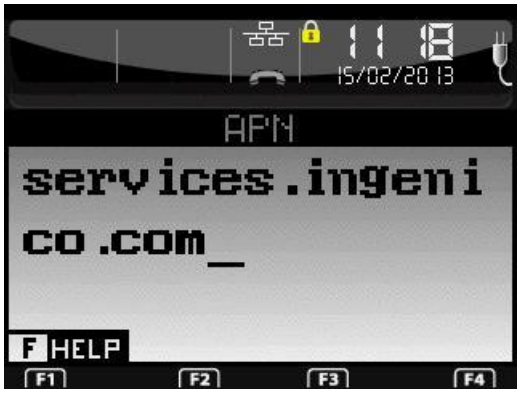
If “Domain Name” was selected, enter the domain name (alphanumeric field).

If “IP Address” was selected, enter the IP address (four digital fields, each one from 0 to 255).

6_13_5_4 Port

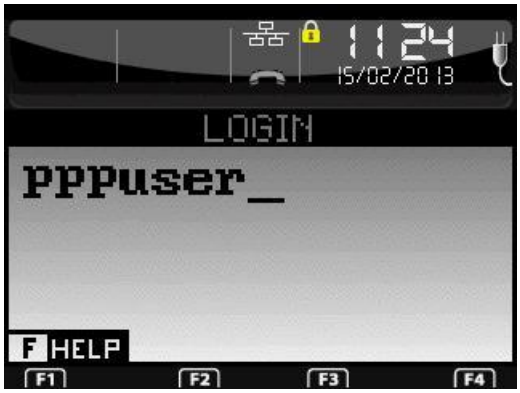
Enter the port number (up to ten digits).

6_13_5_5 APN



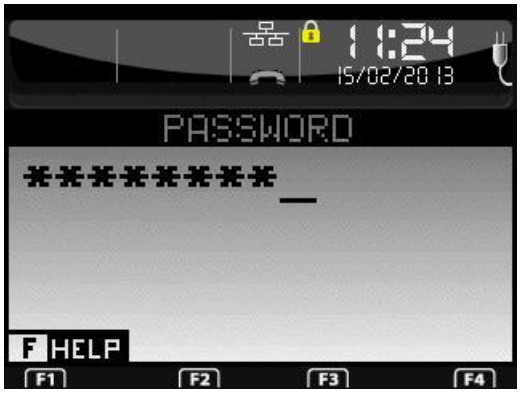
Enter the APN then validate.

6_13_5_6 Login



Enter the login then validate.

6_13_5_7 Password



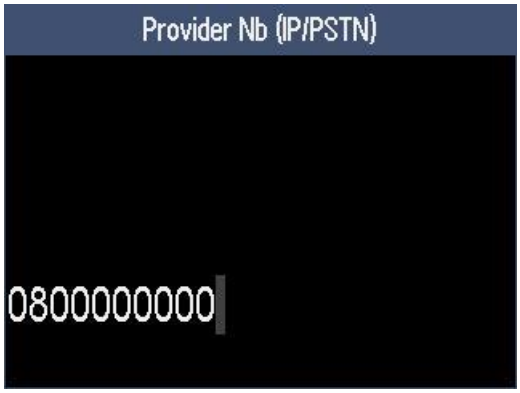
Enter the password. After validation, refer to 6_13_9 Common TMS.

6_13_6 IP EXT TMS network

The list depends on the hardware configuration. Then refer to 6_13_9 Common TMS.

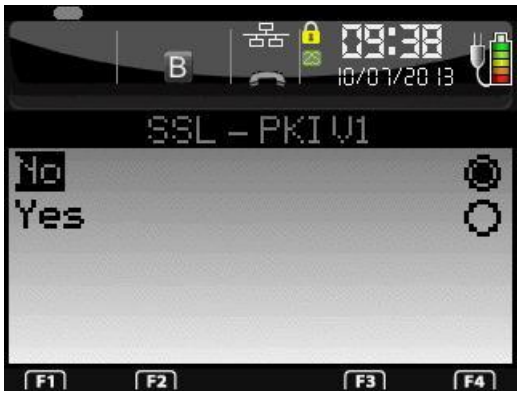
6_13_7 IP/PSTN TMS network

6_13_7_1 Provider number



Enter the phone number of the Internet Access Provider (up to fifteen digits).

6_13_7_2 SSL activation



Activate SSL if necessary.

Select a SSL profile in the list. This screen is displayed only if SSL was activated on previous screen.

6_13_7_3 Address

Select the type of the address.

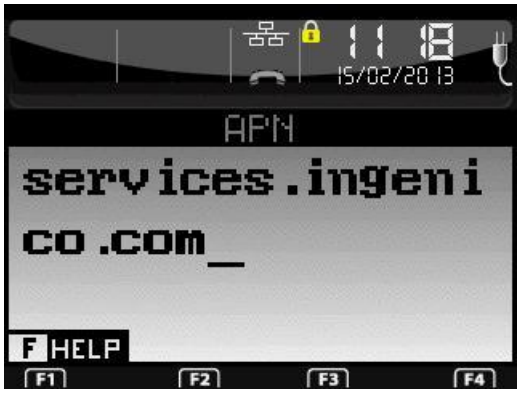
If “Domain Name” was selected, enter the domain name (alphanumeric field).

If “IP Address” was selected, enter the IP address (four digital fields, each one from 0 to 255).

6_13_7_4 Port

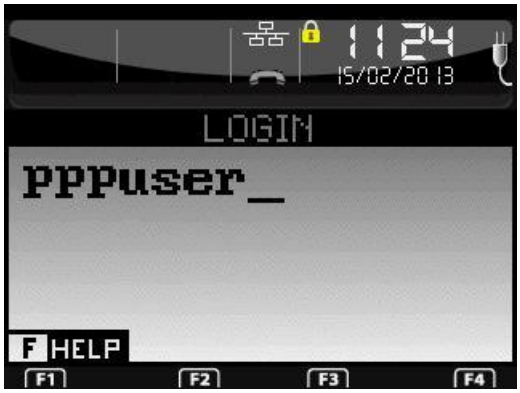
Enter the port number (up to ten digits).

6_13_7_5 APN



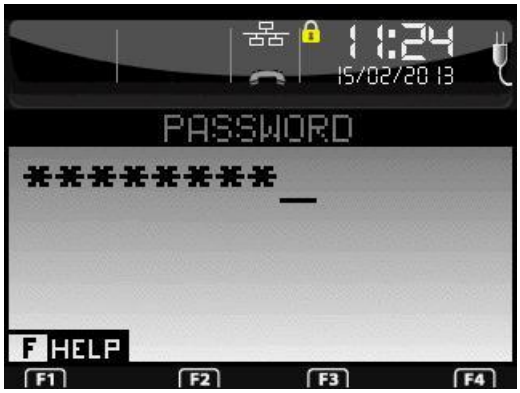
Enter the APN then validate.

6_13_7_6 Login



Enter the login then validate.

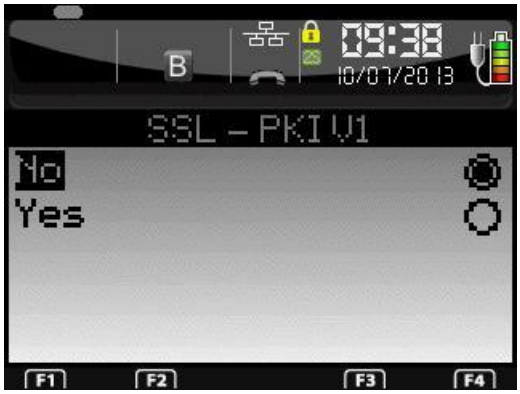
6_13_7_7 Password



Enter the password. After validation, refer to 6_13_9 Common TMS.

6_13_8 IP/ETH TMS network

6_13_8_1 SSL activation



Activate SSL if necessary.

Select a SSL profile in the list. This screen is displayed only if SSL was activated on previous screen.

6_13_8_2 Address

Select the type of the address.

If “Domain Name” was selected, enter the domain name (alphanumeric field).

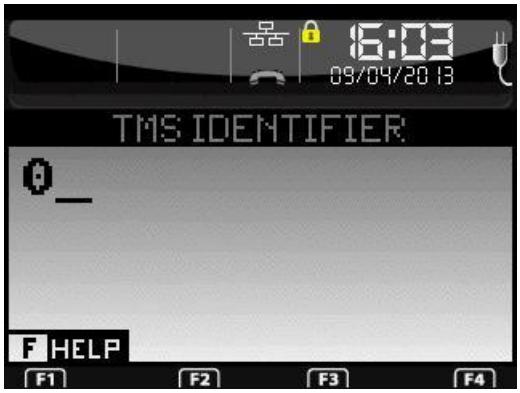
If “IP Address” was selected, enter the IP address (four digital fields, each one from 0 to 255).

6_13_8_3 Port

Enter the port number (up to ten digits). After validation, refer to 6_13_9 Common TMS.

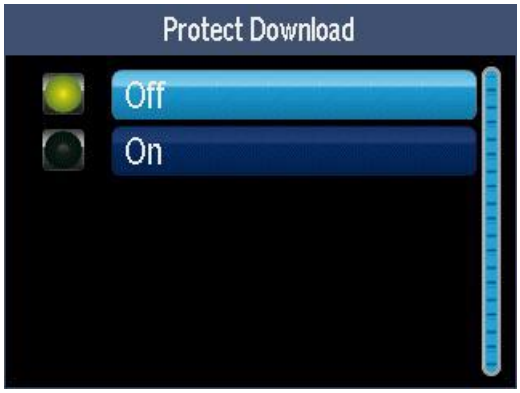
6_13_9 Common TMS

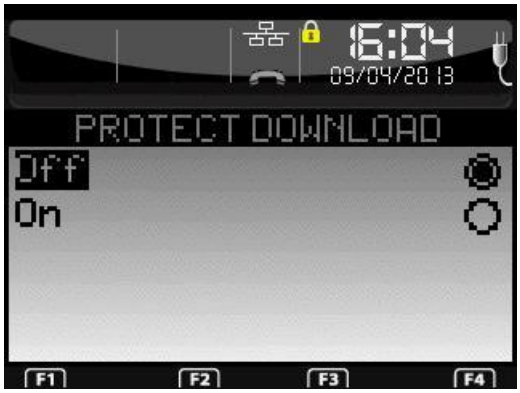
6_13_9_1 TMS identifier



Enter the recognition code (up to nine digits) authorizing terminal to connect to TMS.

6_13_9_2 Download protection

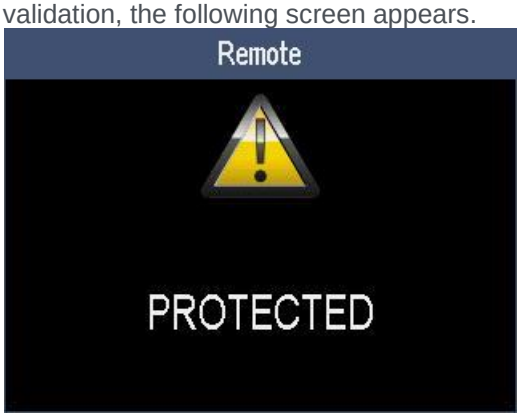


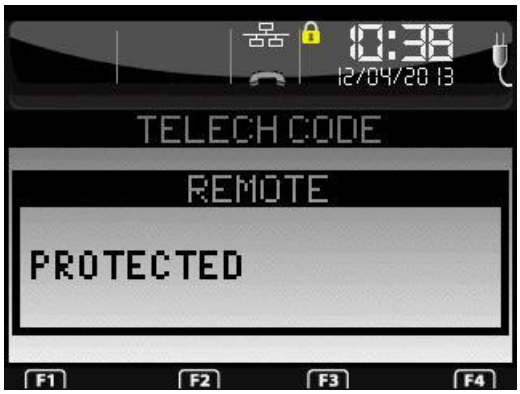


Select if downloading is protected or not.

If downloading is protected, enter the downloading code:

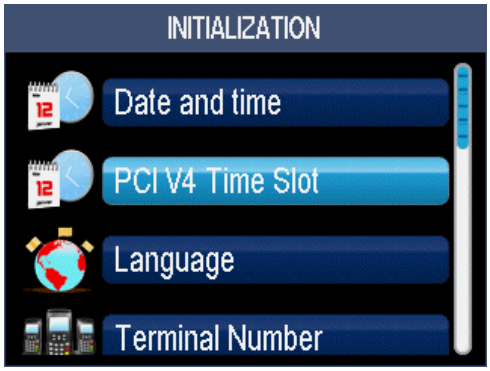
After validation, the following screen appears.

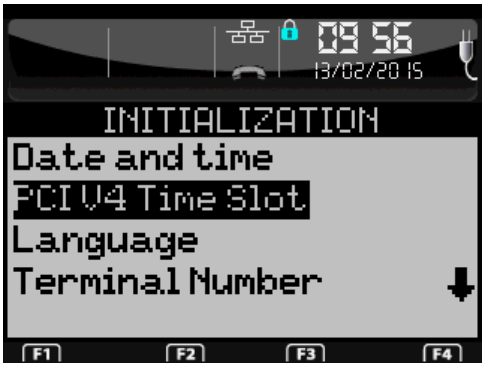




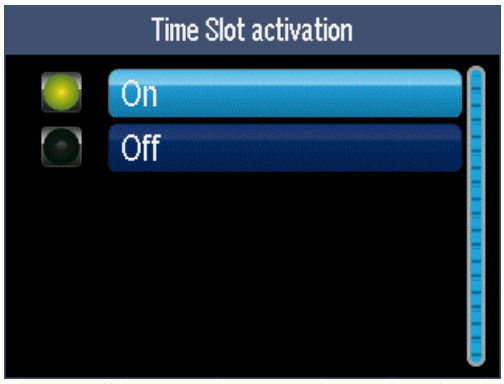
6_14 Initialization of PCI v4 Time Slot

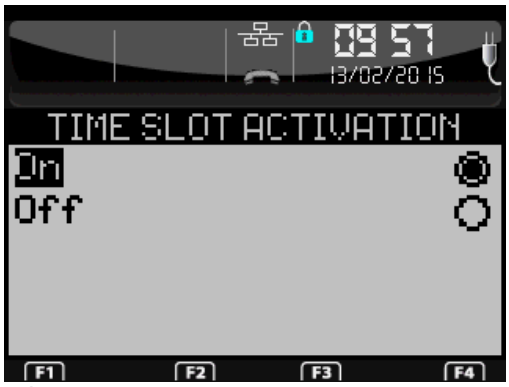
The PCI v4 Time Slot menu is only present for PCI v4 terminal.
When the terminal is PCI v4, it reset every 24h and the specific message “MANDATORY SECURITY CHECK IN PROGRESSS” appears on start.
The terminal will reset during the time slot indicates or by default betwwen 04:00AM and 05:00AM.





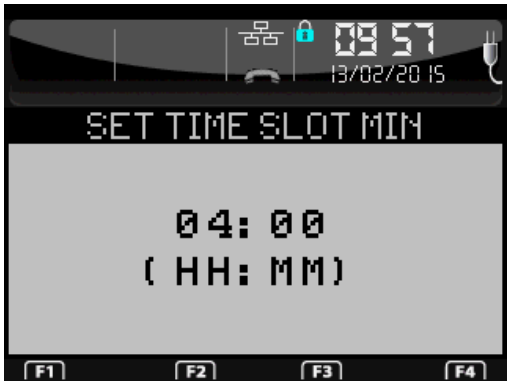
6_14_1 Time slot activation





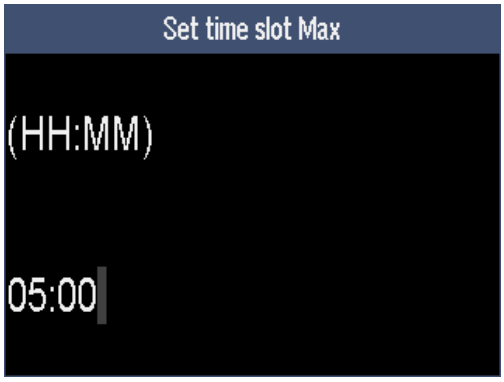
It’s possible to activate or desactive the time slot.
By default, the time slot is activated.

6_14_2 Time slot minimum



Set the time slot mimum for 24h reset.
By default, the time slot minimum is 04:00 AM

6_14_3 Time slot maximum



Set the time slot maximum for 24h reset
By default, the time slot maximum is 05:00 AM

6_15 Exit “Parameters Initialization”

Press the red key X to exit the “parameters initialization” screen and go back to the idle screen.

The terminal proposes to print the parameters:

- Red key X to exit without printing,
- Green key O to print the parameters (**shortcut F.43**) and exit.

7 Initialization menu functions

From the idle screen, press the function key **F**.

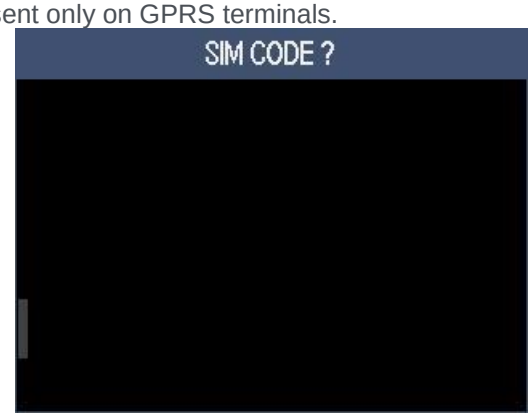
Then select the  icon or the “Telium Manager” item and validate.

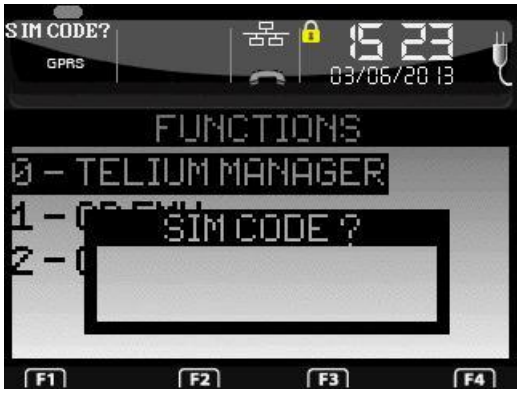
Finally, select the  icon or the “Initialization” item and validate.
For screen examples, refer to 6 Initialization of “applications manager” parameters.

7_1 Initialization of SIM code

Shortcut: F.23

From the “Initialization” screen, select the  icon or the “SIM Code” item and validate. This item is present only on GPRS terminals.





Enter the PIN code of the SIM. Then validate.

7_2 Initialization of PUK code

Shortcut: F.54

From the “Initialization” screen, select the “PUK Code.” item and validate. This item is present only on GPRS terminals and the SIM card requires the PUK code.

Enter the PUK code. Then validate.

7_3 Restoration of default configuration

Shortcut: F.24

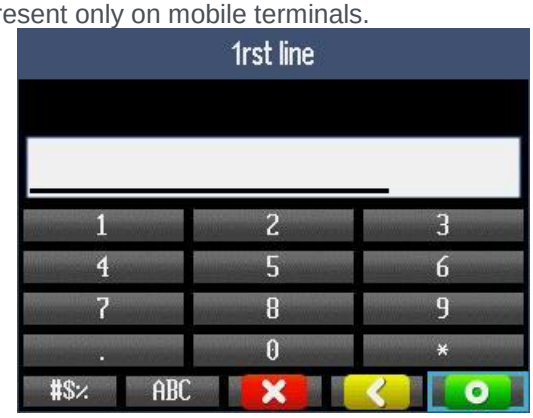
From the “Initialization” screen, select the  icon or the “Default Conf.” item and validate. This item is present only if the terminal has been initialized at least once using the “manager.par” file.

Confirm the restoration of parameters from the “manager.par” file.

7_4 Initialization of idle screen

Shortcut: F.25

From the “Initialization” screen, select the  icon or the “Screen saver” item and validate. This item is present only on mobile terminals.

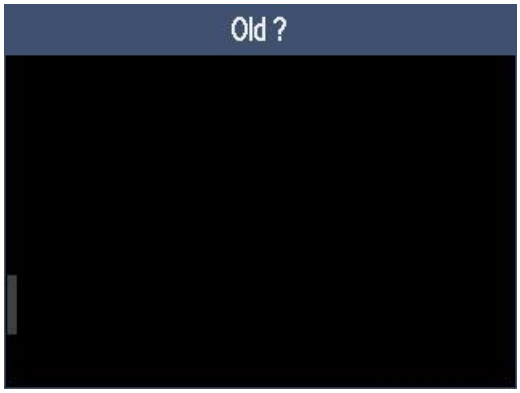


Idle screen is composed of two alphanumeric lines. Enter the message to be displayed on each line.

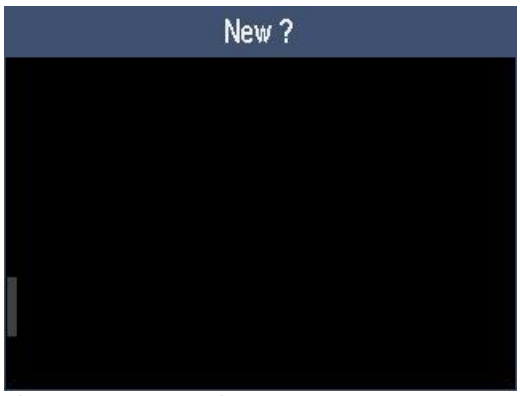
7_5 Initialization of protection manager password

Shortcut: F.26

From the “Initialization” screen, select the  icon or the “Password” item and validate.



This screen is displayed when a password already exists. Enter the current password.



Enter the new password.

7_6 Status bar

7_6_1 Display of the status bar

From the “Initialization” screen, select the  icon or the “Header” item and validate.

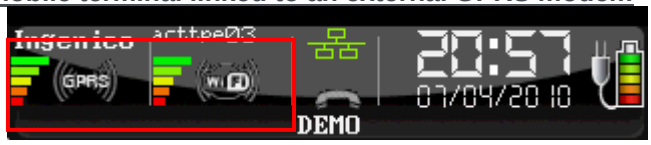
Activate or disable the display of the status bar on the top of the screen.
In the following chapter, each element (highlighted by a red rectangle) of the status bar is explained.

7_6_2 Status bar examples

Fixed terminal

Bluetooth mobile terminal linked to an external GPRS modem

WI-FI mobile terminal linked to an external GPRS modem



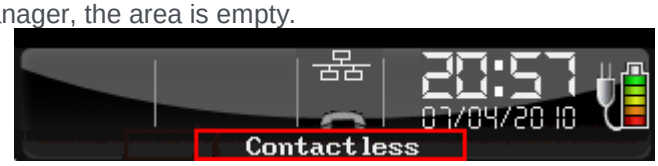
WI-FI & Bluetooth terminal – latest color header

Terminal in AM/PM time mode

WI-FI & Bluetooth terminal – latest black and white header

7_6_3 Current application

The terminal displays the name of the application currently being executed. If the current application is the Manager, the area is empty.



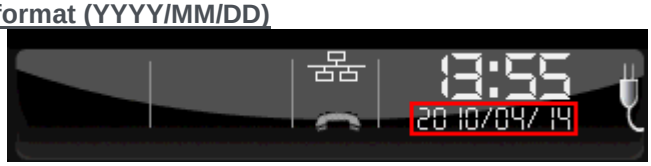
7_6_4 Date

The terminal displays its current date. The date is displayed in accordance with the format chosen at initialization (refer 6_2_3 Setting the date format).

European format (DD/MM/YYYY)

Anglo-Saxon format (MM/DD/YYYY)

Asian format (YYYY/MM/DD)



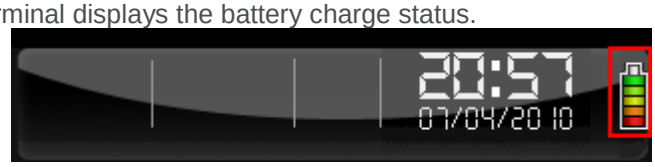
German format (DD.MM.YYYY)

7_6_5 Time

The terminal displays its current time with the HH:MM format. The ":" blinks at 1Hz frequency.

7_6_6 Battery level

The terminal displays the battery charge status.



Depending on the battery charge level, one of the following icons is displayed:

 ➔ Battery charge greater than 80%,

 ➔ Battery charge greater than 60% and less than 80%,

 ➔ Battery charge greater than 40% and less than 60%,

 ➔ Battery charge greater than 20% and less than 40%,

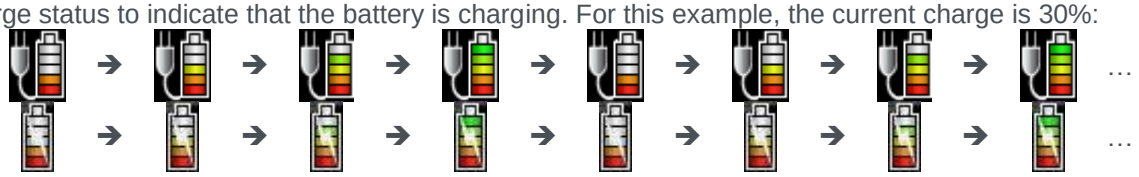
 ➔ Battery charge greater than 10 % and less than 20%,

 ➔ Battery charge greater than 5% and less than 10%,

 blinking ➔ Battery charge less than 5%,

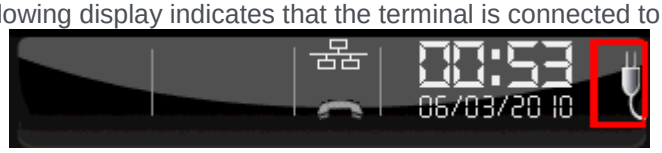
 or  ➔ Without battery (and connected to a power supply)

When the terminal is charging and the charge status is not greater than 80%, the battery pictograms are displayed in sequence starting with the current charge status up to the pictogram of the 80% charge status to indicate that the battery is charging. For this example, the current charge is 30%:



7_6_7 Main power connection

The following display indicates that the terminal is connected to a power supply.

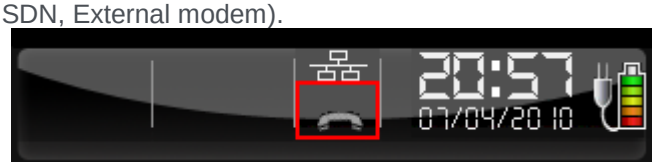


This symbol is also displayed when a **mobile terminal is charging** its battery because:

- The terminal is on its base which is connected to main power, or
- The terminal is connected to a battery charging system via an USB link (PC, HUB…, refer 9_5_3 USB Charge).

7_6_8 Landline network connection

The following pictograms are displayed in the status bar to indicate the landline connection status (STN, ISDN, External modem).



Depending on the landline (selected in 6_10 Initialization of the network access) and the connection status, one of the following icons is displayed:

 ➔ Terminal not connected.

 ➔ Terminal connection to network in progress (dialing, for example)

➔ Terminal connected to Switched Telephone Network (STN).

➔ Terminal connected to telephone network via GSM.

➔ Terminal connected to ISDN network.

➔ Terminal connected to telephone network by External modem.

7_6_9 Ethernet network connection

The following icons indicate the Ethernet link status of the terminal:

No icon ➔ No Ethernet capability;

➔ Ethernet capable but link not connected (“Eth” for black and white screen);

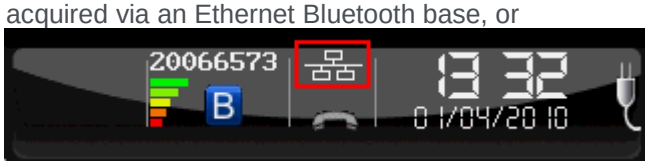
➔ Ethernet link connected but IP address not negociated (DHCP mode);

➔ Operational Ethernet connection (“ETH” for black and white screen).

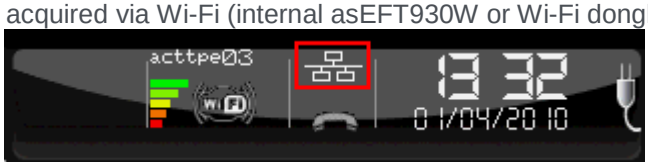
This Ethernet link is either:

- internal to the reader (EFT30Smart, ICT2XX , …), or

- acquired via an Ethernet Bluetooth base, or

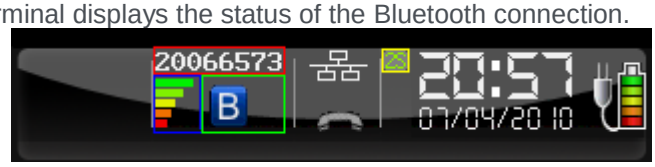


- acquired via Wi-Fi (internal asEFT930W or Wi-Fi dongle connected to the terminal).



7_6_10 Bluetooth connection

The terminal displays the status of the Bluetooth connection.



The Bluetooth connection is represented by four elements:

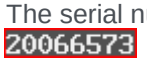
- The connection status:

➔ Bluetooth module starting up, or

➔ Terminal associated to at least one base, but no base is replying, or

➔ Terminal connected to at least one base or one Bluetooth device.

- The serial number of a base connected to the terminal:



➔ The terminal is connected to at least one base.

- The reception level of Bluetooth signal (only for bases):

➔ Maximum reception level (100%)

➔ High reception level (75%)

➔ Medium reception level (50%)

➔ Low reception level (25%)

➔ Very low reception level (<5%)

- The association status:

 ➔ Terminal associated to a smart base.

The  pictogram can appear on a non-Bluetooth terminal if it is associated to a base.
If the terminal is associated to several bases, the serial numbers are displayed alternately every 5 s with the reception level corresponding to the base.

For iOs devices, there is an other information on iSMP and iCMP's header:

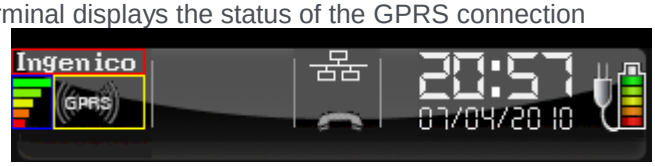

Device is present

Device is authentificated

Device is connected

7_6_11 GPRS network connection

The terminal displays the status of the GPRS connection



The GPRS network connection is represented by three elements:

- GPRS connection status:

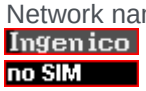
 ➔ No GPRS module;

➔ GPRS module not started;

➔ GPRS module attached to network;

➔ GPRS module connected to a server;

- Network name:



➔ Name of network or virtual operator (refer 6_10_6 GPRS network),

➔ SIM card is absent,

➔ SIM Code to be initialized (refer 7_1 Initialization of SIM code),

➔ Incorrect SIM Code (refer 7_1 Initialization of SIM code),

➔ SIM card locked (3 incorrect codes). To unlock the SIM card, use a mobile phone and enter the PUK code.

- Reception level of GPRS signal:

 ➔ Maximum reception level (100%)

 ➔ High reception level (75%)

 ➔ Medium reception level (50%)

 ➔ Low reception level (25%)

 ➔ Very low reception level (<5%)

7_6_12 Wi-Fi connection

The terminal displays the Wi-Fi connection status. For configuration, refer 9_8 Wi-Fi configuration.

The Wi-Fi connection is represented by three elements:

- Wi-Fi connection status:
  - ➔ No Wi-Fi module;
  - ➔ Wi-Fi module not started;
  - ➔ Wi-Fi module attached to network;
- Network name:
  - ➔ Name of network (ESSID) if attached to network;
- Reception level of Wi-Fi signal:
  - ➔ Maximum reception level (100%);
  - ➔ High reception level (75%);
  - ➔ Medium reception level (50%);
  - ➔ Low reception level (25%);
  - ➔ Very low reception level (<5%).

7_6_13 Contactless Connection

The terminal displays the Contactless connection status (only terminals with software LEDs).

The contactless connection status is represented by a LED:

- BLACK ➔ No Contactless capability
- GRAY ➔ Contactless HW capable
- GRAY blinking ➔ Contactless HW & SW capable
  - Contactless DLL and driver already loaded on terminal
  - To use the contactless feature, the user has to activate the functionality through the manager menu
- GREEN Blinking ➔ Contactless HW & SW capable and READY.
- GREEN Static ➔ Contactless field turned ON, waiting the contactless card.

7_6_14 PKI level

The terminal displays its PKI (Public Key Infrastructure) level.

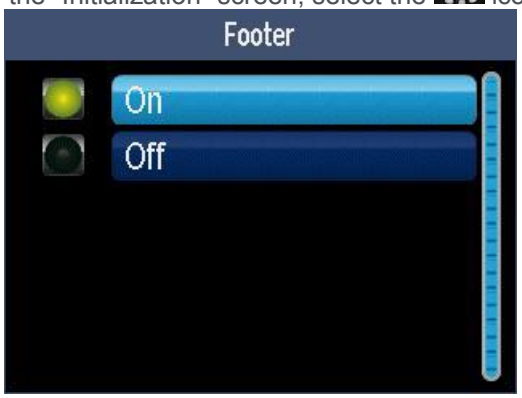
The PKI level is represented by a padlock:

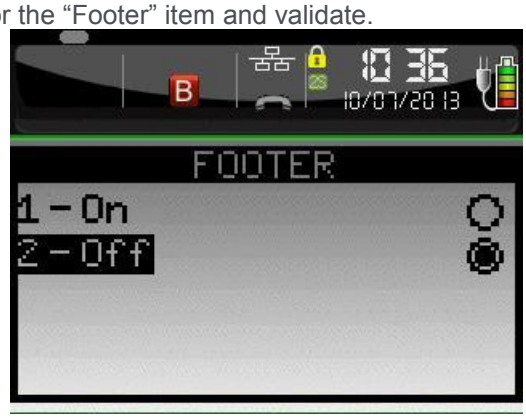
- ➔ PKI level 1;

 ➔ PKI level 3.

7_7 Footer

From the “Initialization” screen, select the  icon or the “Footer” item and validate.



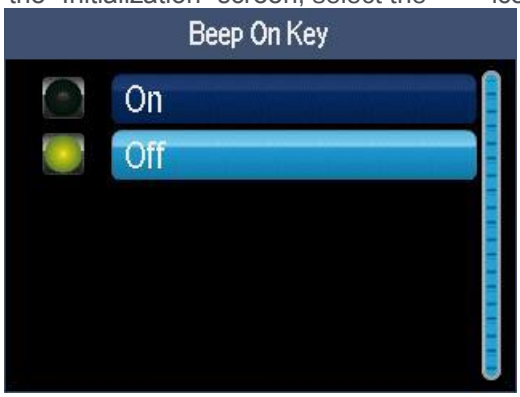


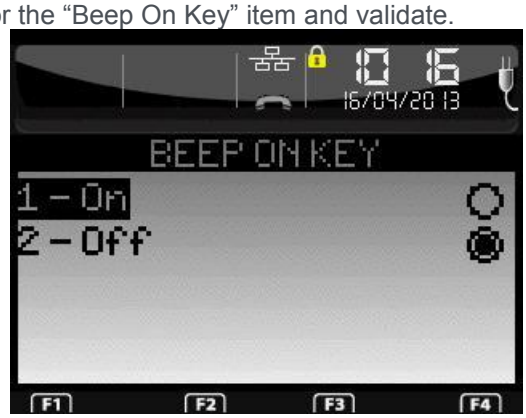
Activate or disable the display of the footer on the bottom of the screen.

7_8 Buzzer

Shortcut: F.50

From the “Initialization” screen, select the  icon or the “Beep On Key” item and validate.





Select “Yes” to emit a sound when pressing a key.

7_9 Buzzer on pincode

From the “Initialization” screen, select the  icon or the “Beep On Pincode” item and validate. This item is present only on iWL350.

Select “Yes” to emit a sound when entering a pincode.

7_10 IPP 3XX Pinpad emulation mode

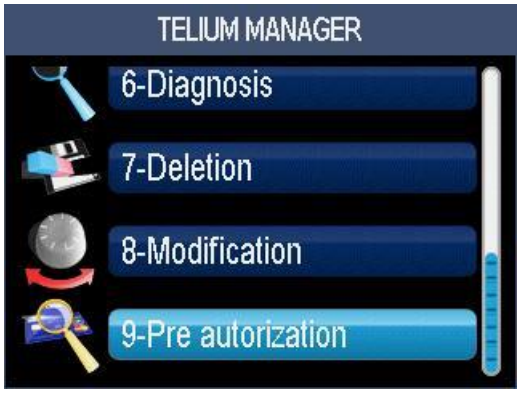
Shortcut: F.53

From the “Initialization” screen, select the  icon or the “PINPAD Emulation” item and validate. This item is present only on IPP320 and IPP350 terminals.
After validation, the terminal resets. Then it displays the ☺ icon once ready.

8 Access to manager functions

From the idle screen, press the function key **F**.

Then select the  icon or the “Telium Manager” item and validate.



Item	Reference
Consultation	8_1 Lookup functions
Evolution	8_2 Upgrade function
Initialization	6 Initialization of “applications manager” parameters
Diagnosis	8_3 Diagnostic function
Deletion	8_4 Delete software
Modification	8_5 Modify configuration
License	8_6 License management

8_1 Lookup functions

From the “Telium Manager” screen, select the  icon or the “Consultation” item and validate.

This screen is to display (not to modify) many parameters and status:

Item	Reference
State	8_1_1 State
Transaction	8_1_2 Transaction
Call	8_1_3 Calls
Configuration	8_1_4 Software and hardware configurations

8_1_1 State

Shortcut: F.1

From the “Consultation” screen, select the  icon or the “State” item and validate.
Print the status of the applications. This item is available only on terminals equipped with a printer.

8_1_2 Transaction

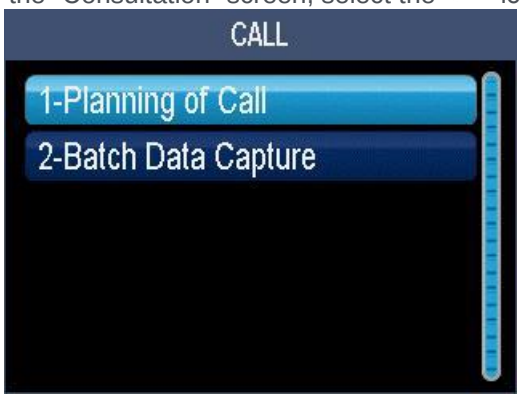
Shortcut: F.2

From the “Consultation” screen, select the  icon or the “Transaction” item and validate.
Print the log of the transactions. This item is available only on terminals equipped with a printer.

8_1_3 Calls

Shortcut: F.3

From the “Consultation” screen, select the  icon or the “Call” item and validate.



“Planning of Call” is to print the schedule of coming automatic calls (as calls for downloading).
“Batch Data Capture” is to force the remote collection of all applications.

8_1_4 Software and hardware configurations

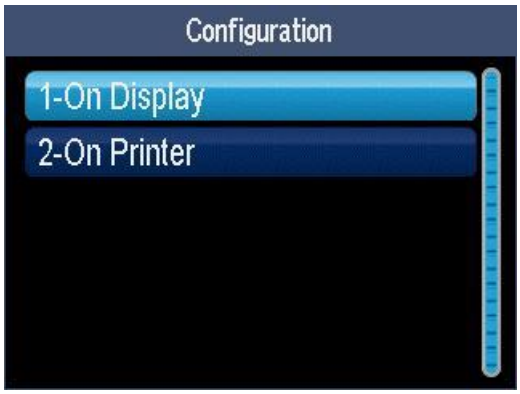
From the “Consultation” screen, select the  icon or the “Configuration” item and validate.

8_1_4_1 Lookup hardware configuration

Shortcut: F.4, F.39 (Pinpad), F.37 (TPASS) or F.58(Software infos)

From the “Configuration” screen, select the  icon or the “Hardware” item and validate.

Select the hardware item to print out its ticket. The list depends on the peripherals connected to the terminal. For “Terminal”, refer to the following screens.

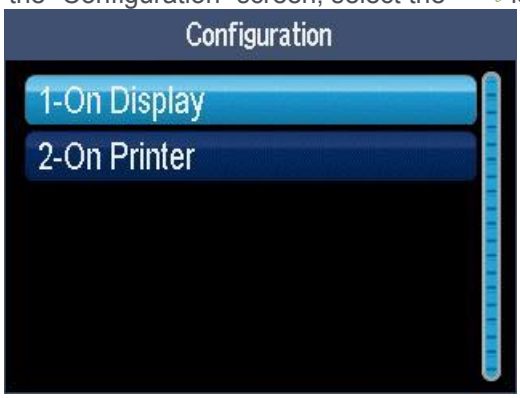


By selecting “On Printer”, the full hardware configuration is printed.
By selecting “On Display”, you have to select the subset of the hardware configuration to be displayed.

8_1_4_2 Lookup Software Configuration

Shortcut: F.5, F.6, F.40 (Pinpad) or F.38 (Target)

From the “Configuration” screen, select the  icon or the “Software” item and validate.

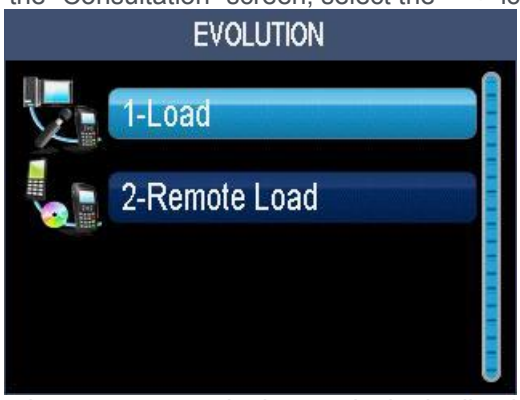


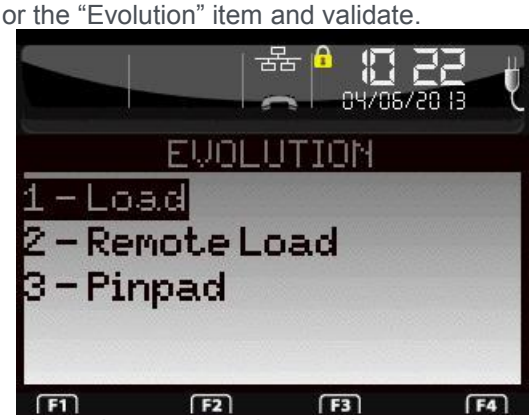
Select the viewing medium: either displayed on the screen (**F.5**) or printed (**F.6**).

Select the item to be viewed. The list depends on software configuration (drivers and libraries).

8_2 Upgrade function

From the “Consultation” screen, select the  icon or the “Evolution” item and validate.





Select the way to upgrade the terminal. The list depends on the configuration and items can be:

- Local load (via PC or USB key),
- Download (TMS call),
- Parameters (TMS call),
- Remote download Pinpad (IPP3XX emulation mode – **Shortcut: F.52**),
- Remote download target IST (**Shortcut: F.51**).

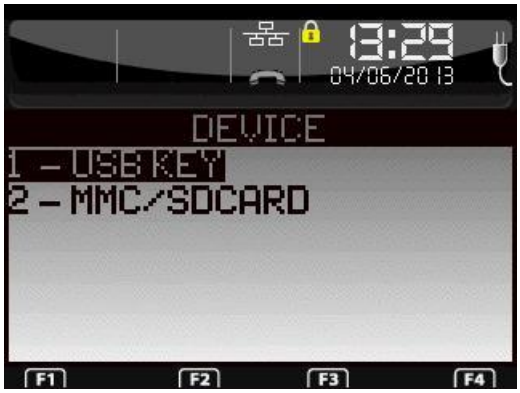
8_2_1 Upgrade by load menu

From the “Evolution” screen, select the  icon or the “Load” item and validate.

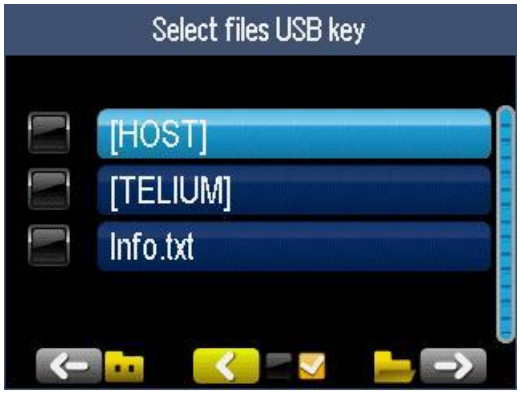
Select the resource to upgrade the terminal:

- Local (LLT, **shortcut F.7**), or
- External for USB key (**shortcut F.8**) or MMC (**shortcut F.9**).

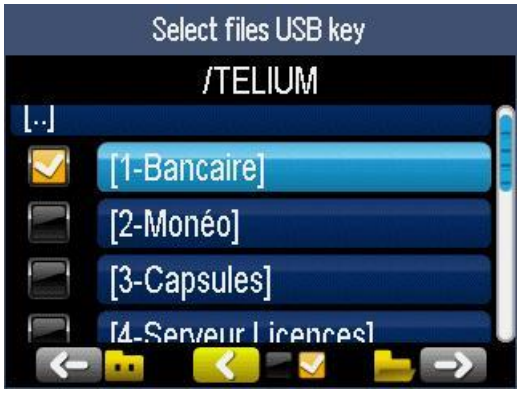
8_2_1_1 Upgrade by load menu through external support



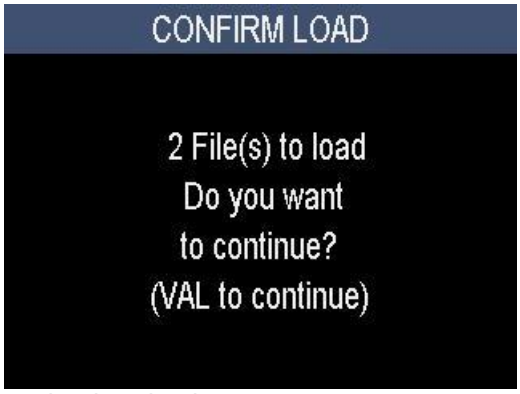
Select the memory device.



The terminal displays the tree structure of the memory device (USB key, MMC or SDCard). <DIR>XXX or [XXX] indicate that the “XXX” item is a directory.



Select the files to be loaded. Once selection is finished, launch the load.



Confirm the download.

The list of the files being loaded is displayed. Once finished, the terminal restarts.

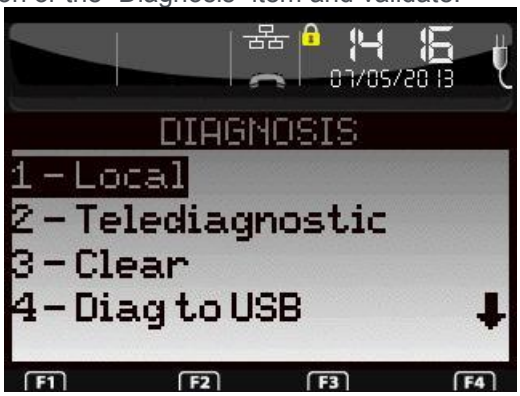
8_2_2 Upgrade by download menu

Shortcut: F.10

Enter the software ID to be downloaded or validate to download all of the softwares associated to the TMS identifier.

8_3 Diagnostic function

From the “Telium Manager” screen, select the icon or the “Diagnosis” item and validate.

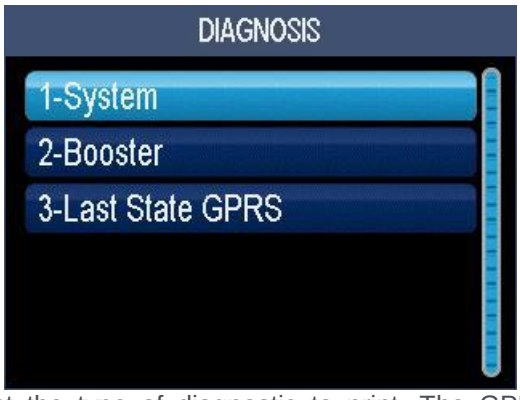


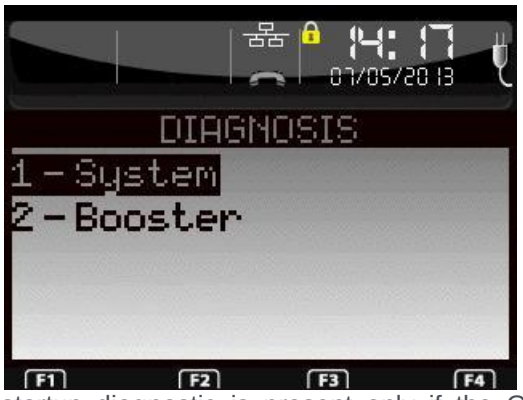
Select between:

- **Local** – a diagnostic ticket is printed or sent to external printer via the COM0/USB link.
- **Telediagnostic** – no ticket is printed; the terminal transmits the information by calling the TMS whose access parameters have been specified in the initialization (**shortcut: F.29**).
- **Clear** – Erased the saved diagnostic.
- **Diag to USB** – diagnosis result is saved on the USB key.
- **Diag to MMC** – diagnosis result is saved on the MMC/SD card.
- **PINPAD** – this item is proposed if a Pin-Pad Reader has been activated (**shortcut: F.44**).
- TeliumPass diagnostic – this item is proposed if a TeliumPass is connected.

8_3_1 Local diagnostic

Shortcut: F.27 and F.28





Select the type of diagnostic to print. The GPRS startup diagnostic is present only if the GPRS automatic startup parameter has been activated

8_3_2 Erase diagnostic

Shortcut: F.30

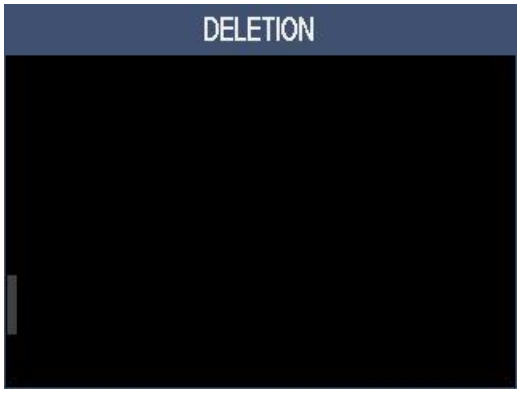
Reset local diagnosis ticket.

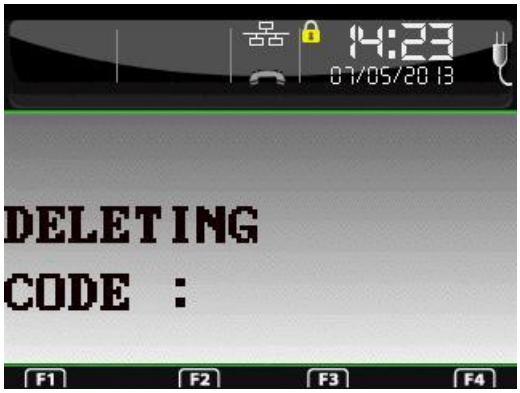
8_4 Delete software

Shortcut: F.42

From the “Telium Manager” screen, select the  icon or the “Deletion” item and validate.

If requested, enter the password to access the maintenance functions.





Enter the code to access the delete function.

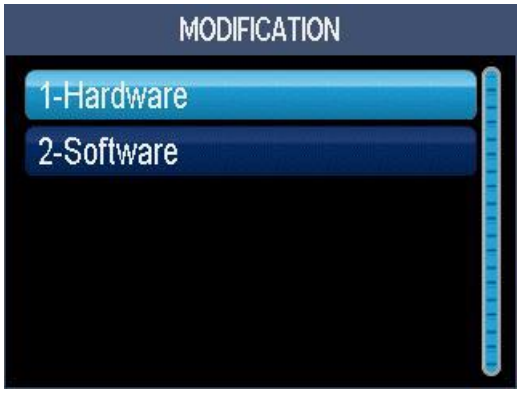
Select in the list the component to delete (use the “up” the “down” keys to scroll the list). Then validate.

Confirm the deletion of the software component.

8_5 Modify configuration

Shortcut: F.31 and F.32

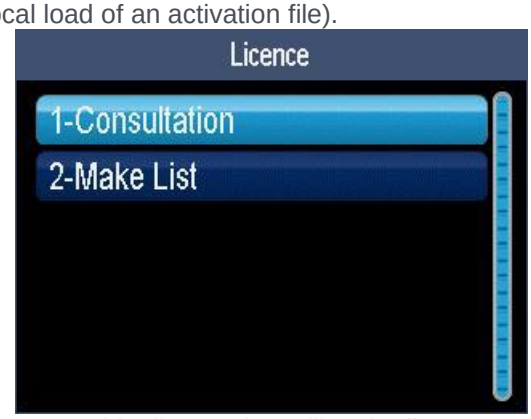
From the “Telium Manager” screen, select the  icon or the “Modification” item and validate.



Used by application to force a call to the tele-configuration center subsequent to a hardware or software upgrade.

8_6 License management

From the “Telium Manager” screen, select the  icon or the “Licence” item and validate.
This function is present when the licenses have been activated on the terminal (remote configuration or local load of an activation file).



Lookup or Add a licence by calling the license server.

8_6_1 Consult licences

Shortcut: F.33

The “Consultation” function gives a status of the licenses for each present application (provisional, in sleep mode, or operational).

8_6_2 Add licenses

Shortcut: F.34

Select in the list the applications you want a licence (as part of the process, the license server is called with the created list):

- Scroll the list using the up and down arrow keys.
- **Select/unselect** an application using the **yellow key** (by default, all applications are unselected).
- **Add licences** of the selected application using the **green key**.
- **Exit and drop** the list using the **red key**.

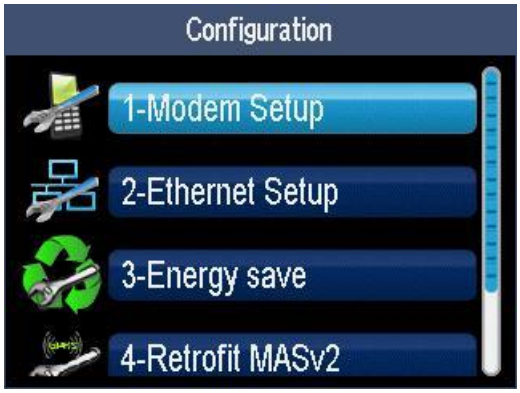
9 Hardware configuration

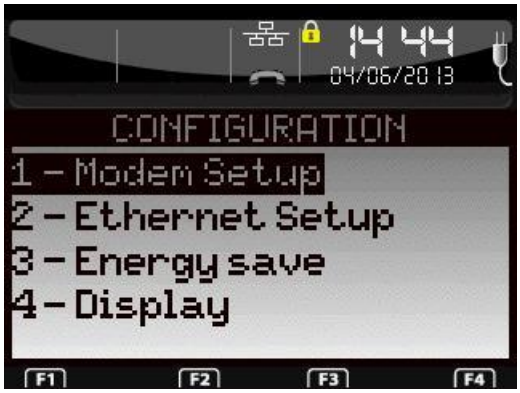
From the idle screen, press the function key **F**.

Then select the  icon or the “Telium Manager” item and validate.

Then select the  icon or the “Initialization” item and validate.

Finally select the  icon or the “Hardware” item and validate.

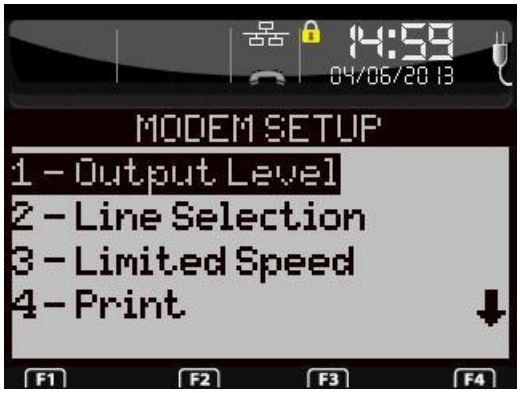


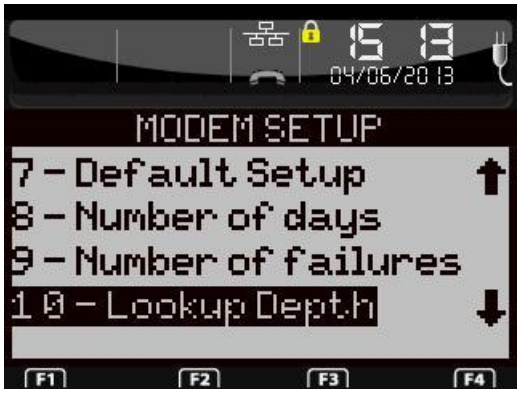


Item	Reference
Modem Setup	9_1 Configuration of modem
Ethernet Setup	9_2 ETHERNET Configuration
Standby Setup	9_3 Standby setup
Energy Save	9_4 Energy save
Battery Setup	9_5 Battery
Cradle Setup	9_6 Bluetooth Configuration
Base Update	9_7 Base update
Wi-Fi Setup	9_8 Wi-Fi configuration
Display	9_9 Configuration of screen
Proxy	9_10 Proxy
Bluetooth Audio	9_11 Bluetooth Audio
Bluetooth	9_12 Bluetooth
Stylet	9_13 Stylus

9_1 Configuration of modem

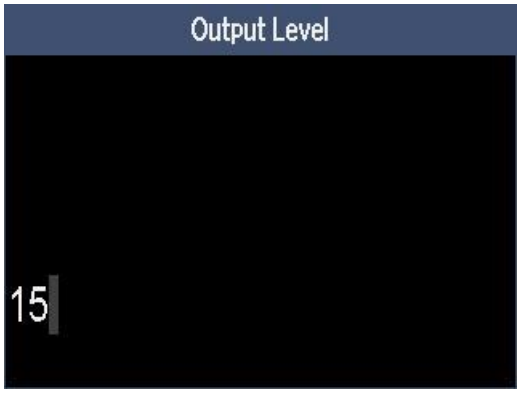
From the “Hardware” screen, select the  icon or the “Modem Setup” item and validate. This item is displayed only on terminals equipped with an integrated modem.





Item	Reference
Output Level	9_1_1 Transmit level
Line Selection	9_1_2 Line type
Limited speed	9_1_3 Reduced speed
Print	9_1_4 Print
Save	9_1_5 Save
Reload Setup	9_1_6 Reload configuration
Default Setup	9_1_7 Default configuration
Number of days	9_1_10_1 Number of days
Number of failure	9_1_10_2 Number of failures
Lookup Depth	9_1_10_3 Depth
Quit	9_1_8 Exit
Current Limiting	9_1_9 Limit

9_1_1 Transmit level



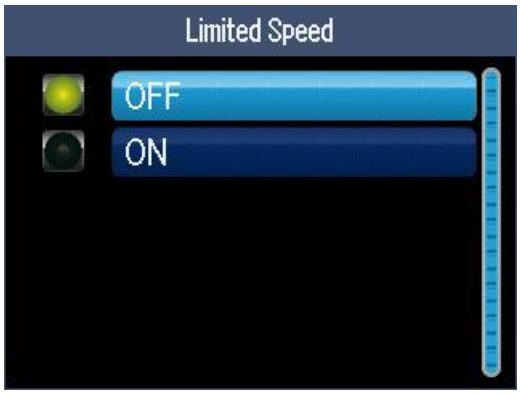
Enter the attenuation level (from 5 to 30) of the modem transmission and validate. The standard level is 15 corresponding to 15dBm.

9_1_2 Line type

This setting is to adapt the line termination:

- Long line (with complex impedance) when modem is linked to an external “public” line, or
- Short line (with real impedance) when modem is linked to a switchboard.

9_1_3 Reduced speed



Select “ON” to downgrade the modem speed to V22Bis. Then validate.

9_1_4 Print

A ticket is printed with the current configuration (for example to quickly verify the value of modem options before saving).

9_1_5 Save

Modem configuration is stored. Then the terminal resets to apply the new configuration leading to a return to the home screen.

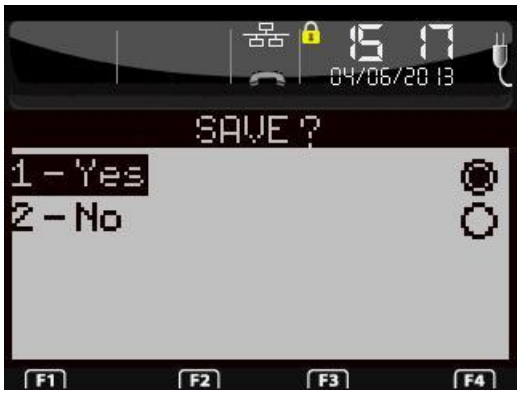
9_1_6 Reload configuration

Confirm the reload of the saved configuration. That leads to the loss of all changed parameters.
Nota: At first start, the saved configuration is initialized with default values then updated by the configuration file.

9_1_7 Default configuration

Confirm the load of the default configuration (TBR21, with no special option). Configuration has to be saved to be applied.

9_1_8 Exit



This screen is displayed even if no parameter has been changed.

If “Yes” is selected, modem configuration is stored. Then the terminal resets to apply the new configuration leading to a return to the home screen.

9_1_9 Limitation of current

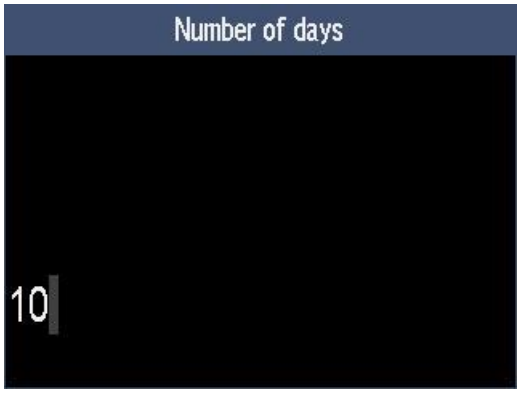
Activate (or not) the limitation of current limitation (some problems on site may be resolved by this way).

9_1_10 Automatic fallback function

The “Number of days”, “Number of failures” and “Lookup depth” items are used to configure the automatic fallback function when too many failures.
System switches to its fall back mode (V.22Bis) when the number of call failure reaches the “Number of failures” threshold for the last “Lookup depth” call attempts. Example: “Number of failures” set to “4” and “Lookup depth” set to “5” ➔ system will switch to fall back mode if “4” call failures occur among the “5” last attempts.
System switches to its normal mode (V.32Bis) after the “number of days” delay.

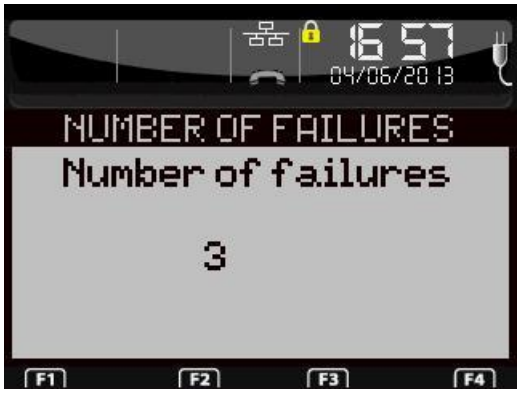
Nota: terminal has to restart to change the modem mode. It performs two successive restarts if the “number of days” delay is reached and the fall back condition is still true.

9_1_10_1 Number of days



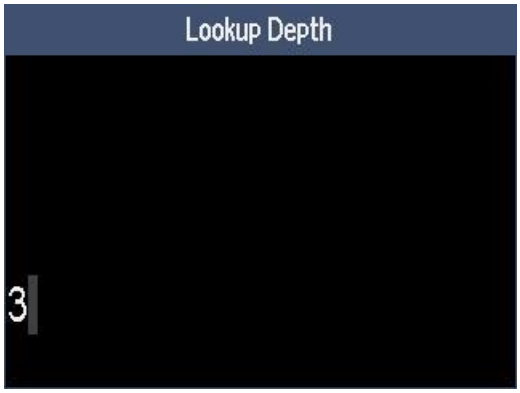
Enter the number of days (up to 300 days) before return to normal speed mode. Default value is 10.

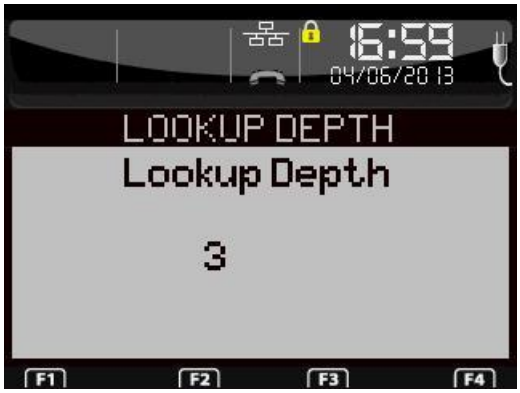
9_1_10_2 Number of failures



Enter the number of failures (up to 30) before switching in fallback mode. Default value is 3.

9_1_10_3 Depth



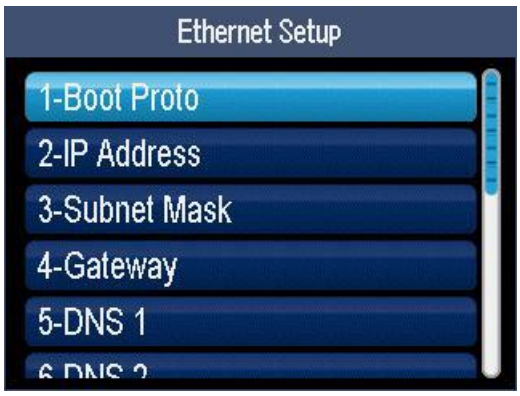


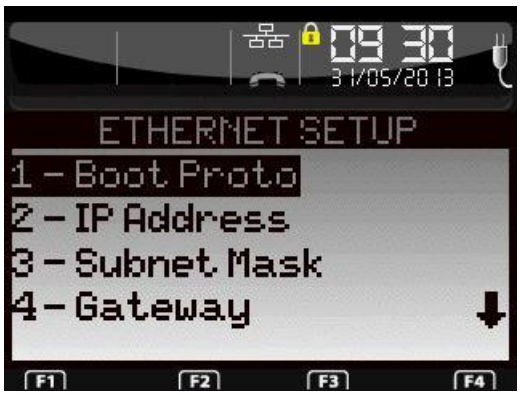
Enter the number of call attempts used for the computation of the number of call failures.

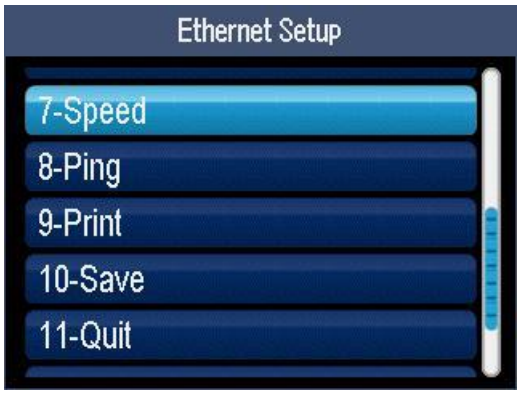
9_2 ETHERNET Configuration

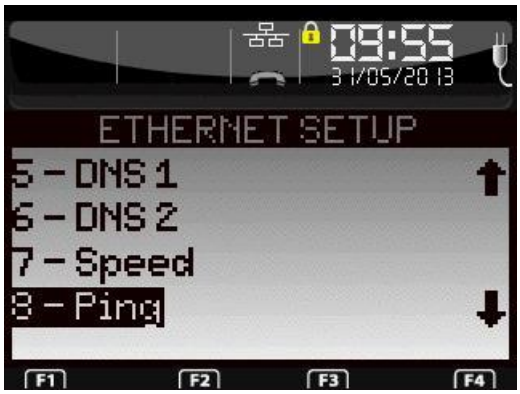
From the “Hardware” screen, select the  icon or the “Ethernet Setup” item and validate. This item is displayed only on terminals equipped with an integrated Ethernet link.

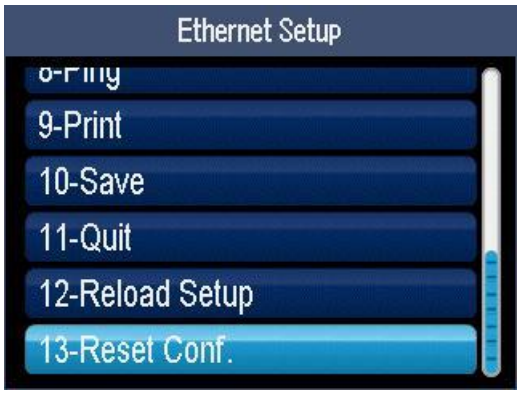
When BOOT Proto is STATIC

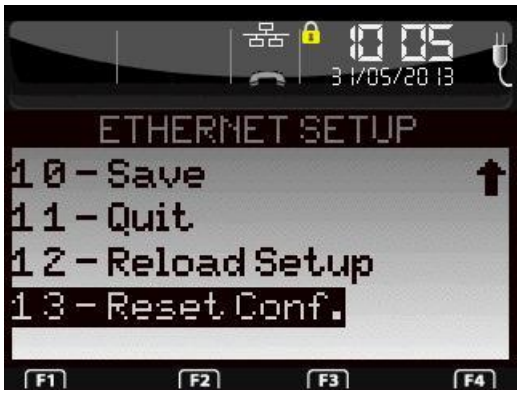








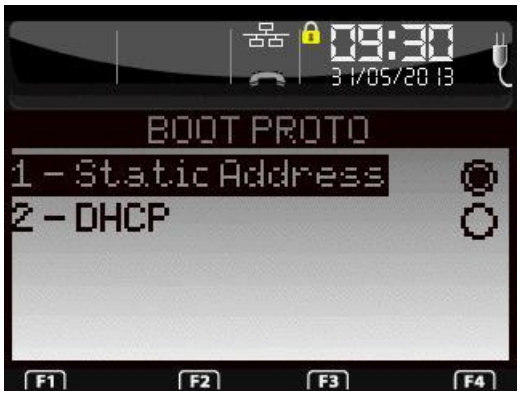




When BOOT Proto is DHCP

Item	Reference
Boot Proto	9_2_1 Boot
IP Address	9_2_2 IP address
Subnet Mask	9_2_3 Network mask
Gateway	9_2_4 Gateway
DNS1	9_2_5 DNS1
DNS2	9_2_6 DNS2
Speed	9_2_7 Rate
Ping	9_2_8 Ping
Print	9_2_9 Print
Save	9_2_10 Save
Quit	9_2_11 Exit
Reload Setup	9_2_12 Configuration reload
Reset Conf.	9_2_13 Configuration Reset

9_2_1 Boot protocol



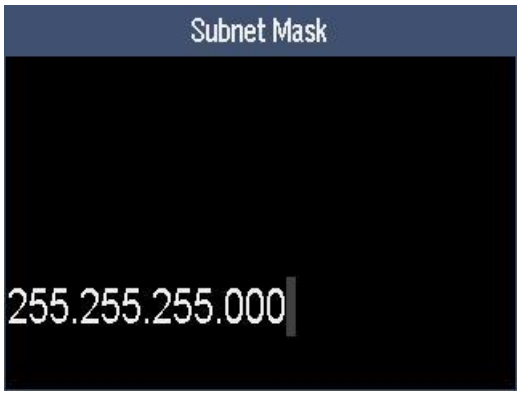
Select the network configuration mode:

- "Static Address" requiring IP address, Network mask, Gateway, DSN1 and DSN2 parameters, or
- "DHCP" (Dynamic Host Configuration Protocol) in which parameters are negociated at startup of the terminal (the other parameters have no effect but can still be entered).

9_2_2 IP address

Enter the IP address of the terminal (supplied by the administrator of the local network). IP Address is composed of four digital fields, each one from 0 to 255.

9_2_3 Network mask

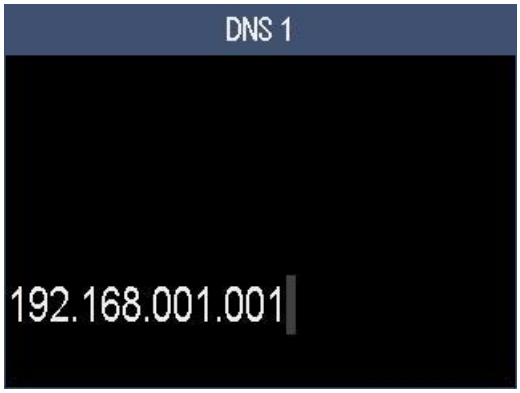


Enter the sub-network mask of the Ethernet interface (usually 255.255.255.000). As IP Address, the sub-network mask is composed of four digital fields, each one from 0 to 255.

9_2_4 Gateway

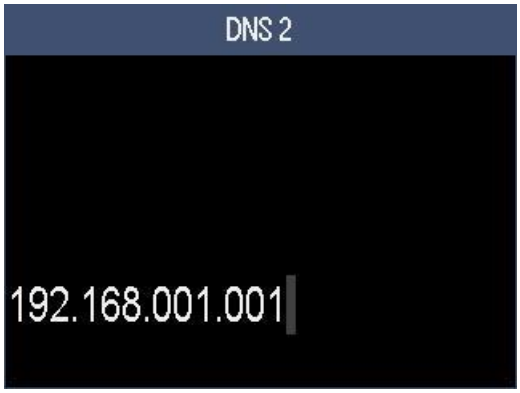
Enter Gateway address (supplied by the administrator of the local network) which is the IP address of the machine used by gateway to join other networks.

9_2_5 DNS1



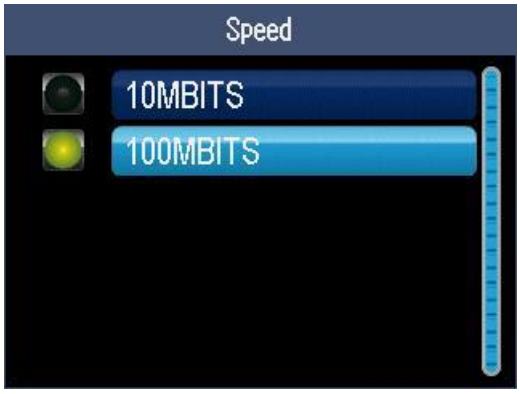
Enter the IP address of Domain Name Servers 1 (supplied by the administrator of the local network).

9_2_6 DNS2



Enter the IP address of Domain Name Servers 2 (supplied by the administrator of the local network).

9_2_7 Rate



Select the speed of the Ethernet link: either 10 or 100 Mbits per second (required for some networks).

9_2_8 Ping

Enter the IP address of the machine to “ping” (test of the machine and network).

This screen is the result of the “ping” request.

9_2_9 Print

A ticket is printed with the current configuration (for example to quickly verify the value of modem options before saving).

9_2_10 Save

Ethernet parameters are stored. Then the terminal resets to apply the new configuration leading to a return to the home screen.

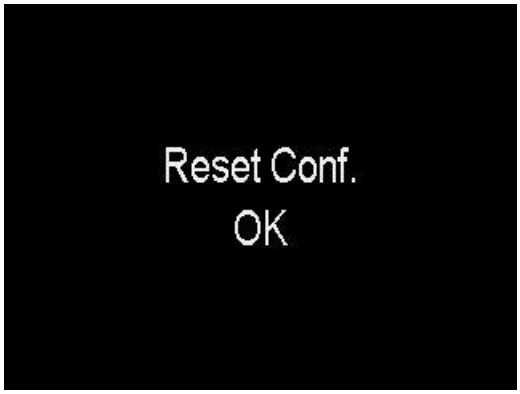
9_2_11 Exit

Select this item to exit the Ethernet configuration application.

9_2_12 Configuration reload

Confirm the reload of the saved configuration. That leads to the loss of all changed parameters.
Nota: At first start, the saved configuration is initialized with default values then updated by the configuration file.

9_2_13 Configuration Reset



Confirm the load of the factory configuration.

9_3 Standby setup

This item is available only on MR40 cash dispensers.
Select in the list either:

- Standby type, or
- Standby delay.

9_3_1 Standby type

Select in the list either:

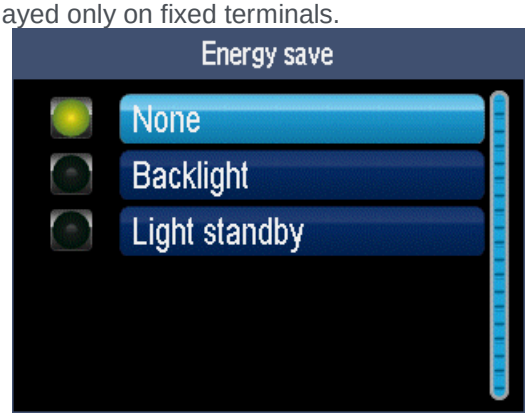
- None, or
- Light, or
- Deep.

9_3_2 Standby delay

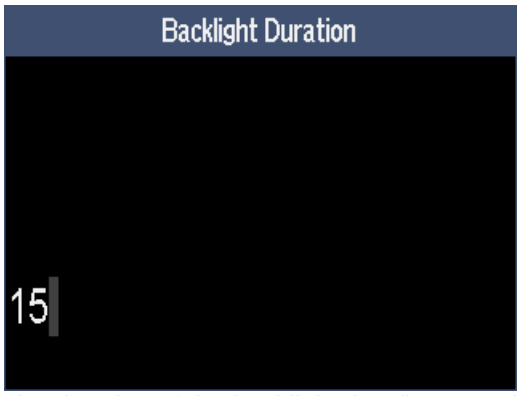
Enter the inactivity duration (in seconds, form 0 to 900) before switching to standby mode.

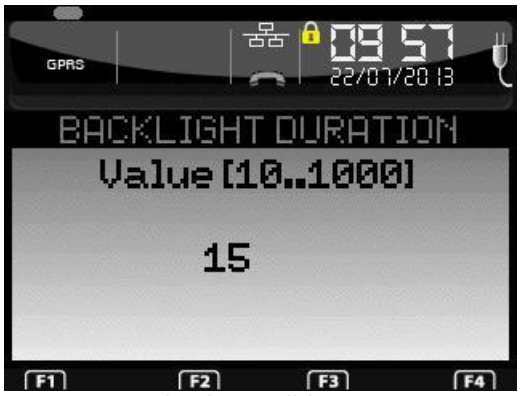
9_4 Energy save

From the “Hardware” screen, select the  icon or the “Energy Save” item and validate. This item is displayed only on fixed terminals.



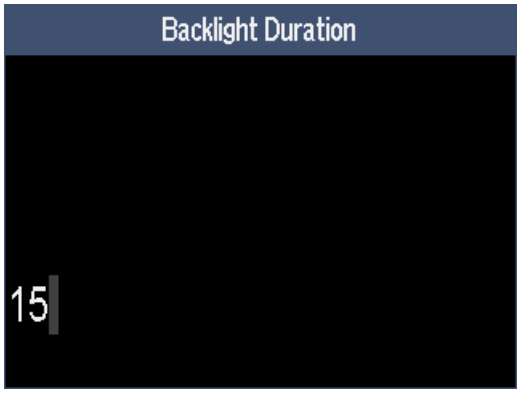
9_4_1 Backlight



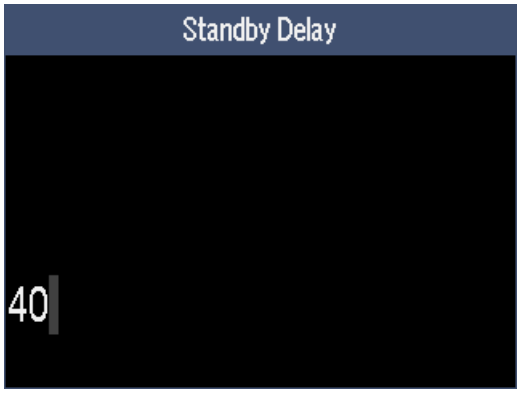


Enter the duration of the backlightning (in seconds, from 10 to 1000). Then validate.
This item is same as “Display/Backlight duration”.

9_4_2 Standby



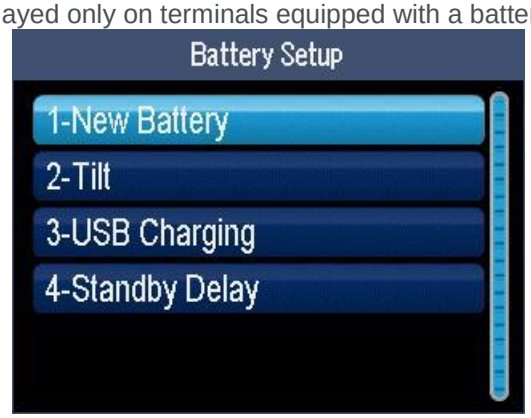
Enter the duration of the backlightning (in seconds, from 10 to 1000). Then validate.



Enter the delay to switch off the display (in seconds, from 10 to 999999999).
Press a key to exit the standby mode.

9_5 Battery Setup

From the “Hardware” screen, select the  icon or the “Battery Setup” item and validate. This item is displayed only on terminals equipped with a battery.

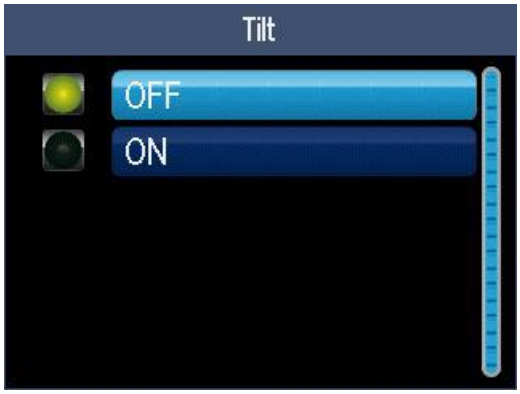


Item	Reference
New Battery	9_5_1 Battery change
Tilt	9_5_2 Tilt
USB Charging	9_5_3 USB Charge
Standby Delay	9_5_4 Time before standby
Standby On Cradle	9_5_5 Standby on cradle
ECO Mode	9_5_6 ECO mode

9_5_1 Battery change

Select “Yes” and validate to indicate to the system that you have changed the battery and to avoid an overload (unless you are able to follow the battery change procedure with restart on the base without battery, the terminal may not detect the change of battery).

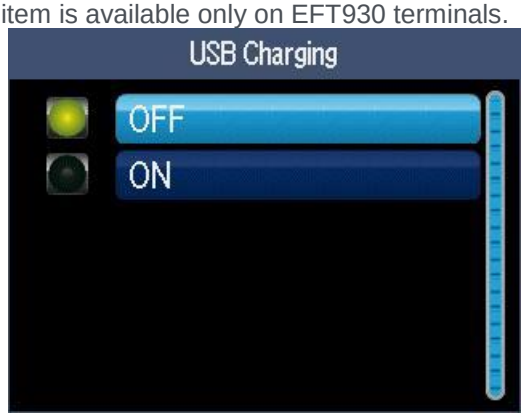
9_5_2 Tilt



Select “Yes” to automatically wake up the terminal when it is picked up while in standby. Select “No” to wake up the terminal only by pressing a key.
This item is displayed only on products equipped with a motion sensor as EFT930B.

9_5_3 USB Charge

This item is available only on EFT930 terminals.

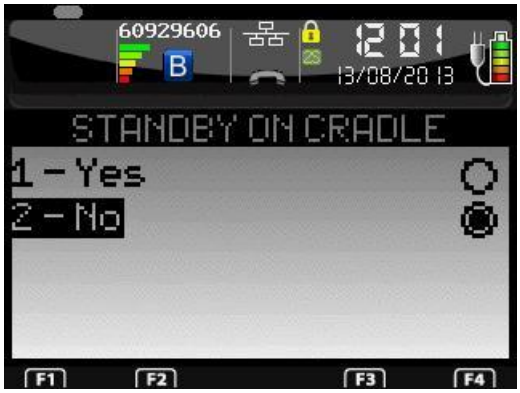


Select “Yes” or “No” to respectively enable or disable charging by USB link. This item is to avoid discharging the battery of the unit on which the terminal is connected by USB like a portable computer.

9_5_4 Time before standby

Enter the inactivity duration (in seconds, from 10 to 120) before going in standby mode.

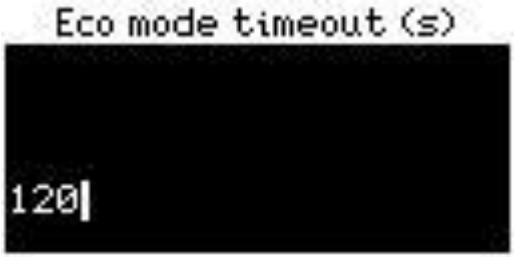
9_5_5 Standby on cradle



Select if the terminal have to switch in standby mode when on a base or to stay active as it is powered.

9_5_6 ECO mode

This item is available only on iCMP terminals.



Enter the standby duration (in seconds, from 10 to 999999999) before switching off the terminal.

9_6 Bluetooth Configuration

From the “Hardware” screen, select the  icon or the “Cradle Setup” item and validate. This item is displayed only on Bluetooth terminals.

To be operational, a Bluetooth terminal shall be associated to at least one base (“Association” item). Once associated, the terminal can use one of the base communication ports (“Advanced” item) like modem, USB, Ethernet…

Item	Reference
Association	9_6_1 Association
Advanced	9_6_2 Advanced functions
Base State	9_6_3 Base state

9_6_1 Association

Shortcut: F.49

Item	Reference
New Base	9_6_1_1 New base
Select Base	9_6_1_2 Select Base
Remove Base	9_6_1_3 Remove Base
Print Bases	9_6_1_4 Print Base

9_6_1_1 New base

Before selecting the “New base” item, the terminal shall be placed on the base to be associated.

This screen is displayed while the terminal is trying to associate to a new base.

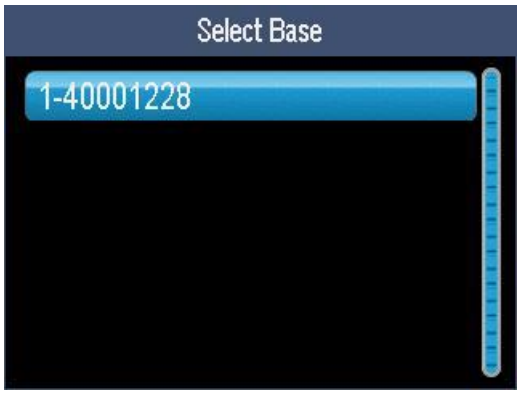
When the “Association” attempt is finished, the terminal displays a result screen.
If the association is successful, the result screen contains the "Association OK" message and the status bar is updated (refer to 7_6_10 Bluetooth connection): reception level, serial number, “2S” icon…
If the association is not successful, the result screen contains the "Association not possible" message and the error type: either its digital code or its textutal description (refer to the following table).

Error code	Description
0	Association OK
-1	Association not possible: IR link unavailable (active trace, MODEM_IS_IR or COM0_IS_IR set to ON).
-2	Association not possible: connection not possible with base (Is it a smart base?).
-3	Association not possible: the terminal fails to transmit its association request.
-4	Association not possible: the terminal has transmitted its association request but has not received a reply.
-5	Association not possible: base has returned a null address (base not yet started up or out of order).
-6	Association not possible: portable terminal not on a base.
-7	Association not possible: driver to be updated.
-8	Association not possible: software version of the base is unknown.
-9	Association not possible: software version of the terminal is unknown.
-10	Association not possible: software version of the base is incorrect.
-11	Association not possible: software version of the terminal is incorrect.

-12	Association not possible: software versions of both base and terminal are incorrect.

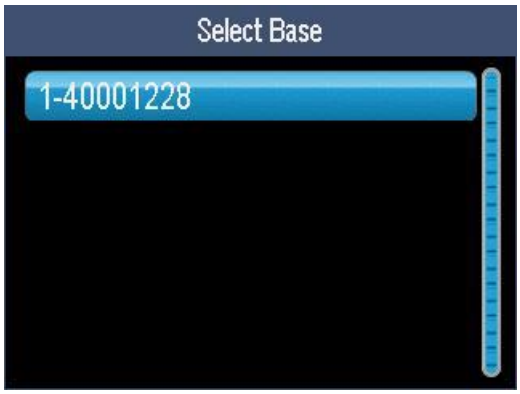
Then if the association was successful, the terminal may propose updating base software (refer 9_7 Base update).

9_6_1_2 Select Base



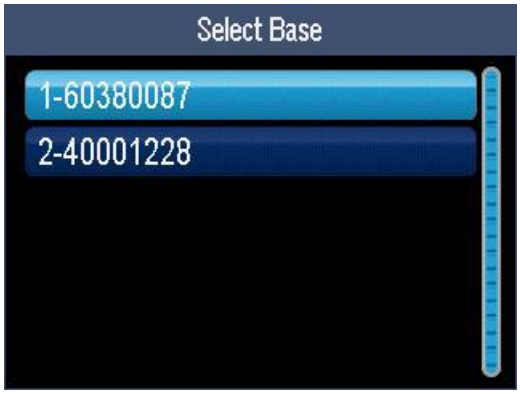
Select in the list of associated bases the one to use as peripheral.

9_6_1_3 Remove Base



Select in the list of associated bases the one to delete. Peripherals are automatically reassigned to the first known base.

9_6_1_4 Print Base

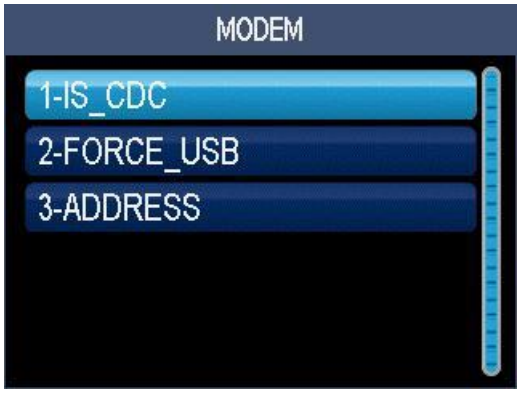


Select a base in the proposed list to print its name, type, Bluetooth address and serial number.

9_6_2 Advanced functions

Item	Reference
Modem	9_6_2_1 Modem
COM0	9_6_2_2 COM0
COMU	9_6_2_3 COMU
COM1	9_6_2_4 COM1
COMN	9_6_2_5 COMN
COMH	9_6_2_6 COMH
Set base name	9_6_2_7 Change base name
Print	9_6_2_8 Print
Clear Secret	9_6_2_9 Clear Secret

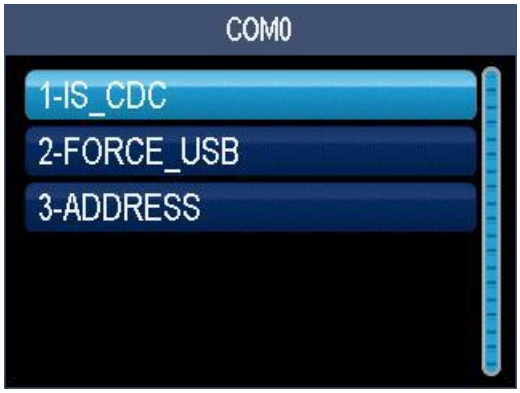
9_6_2_1 Modem



Select the way to communicate via a modem (from highest to lowest priority):

- **FORCE_USB** (FORCE_IR on old terminal): set “ON” to force the use of the serial link even if the selected base has a “Bluetooth” interface;
- **ADDRESS**: force the use of a specific “Bluetooth” base;
- **IS_CDC** (IS_IR on old terminal): set “ON” to enable the use of the serial if the selected base has no “Bluetooth” interface.

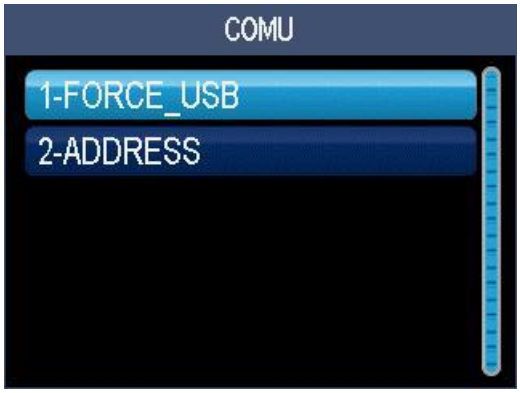
9_6_2_2 COM0



Select the way to communicate via COM0 serial port (from highest to lowest priority):

- **FORCE_USB** (FORCE_IR on old terminal): set “ON” to force the use of the serial link even if the selected base has a “Bluetooth” interface;
- **ADDRESS**: force the use of a specific “Bluetooth” base;
- **IS_CDC** (IS_IR on old terminal): set “ON” to enable the use of the serial if the selected base has no “Bluetooth” interface.

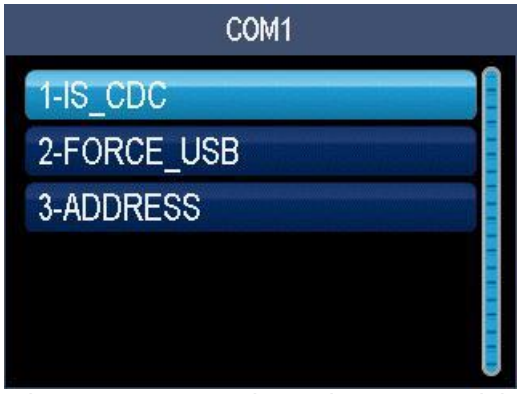
9_6_2_3 COMU



Select the way to communicate via COMU USB port (from highest to lowest priority):

- **FORCE_USB** (FORCE_IR on old terminal): set “ON” to force the use of the serial link even if the selected base has a “Bluetooth” interface;
- **ADDRESS**: force the use of a specific “Bluetooth” base.

9_6_2_4 COM1



Select the way to communicate via COM1 serial port (from highest to lowest priority):

- **FORCE_USB** (FORCE_IR on old terminal): set “ON” to force the use of the serial link even if the selected base has a “Bluetooth” interface;
- **ADDRESS**: force the use of a specific “Bluetooth” base;
- **IS_CDC** (IS_IR on old terminal): set “ON” to enable the use of the serial if the selected base has no “Bluetooth” interface.

9_6_2_5 COMN

Select the way to communicate via COMN Ethernet port (from highest to lowest priority):

- **FORCE_USB** (FORCE_IR on old terminal): set “ON” to force the use of the serial link even if the selected base has a “Bluetooth” interface;
- **ADDRESS**: force the use of a specific “Bluetooth” base.

9_6_2_6 COMH

Select the way to communicate via COMH Host USB port (from highest to lowest priority):

- **FORCE_USB** (FORCE_IR on old terminal): set “ON” to force the use of the serial link even if the selected base has a “Bluetooth” interface;
- **ADDRESS**: force the use of a specific “Bluetooth” base.

9_6_2_7 Change base name

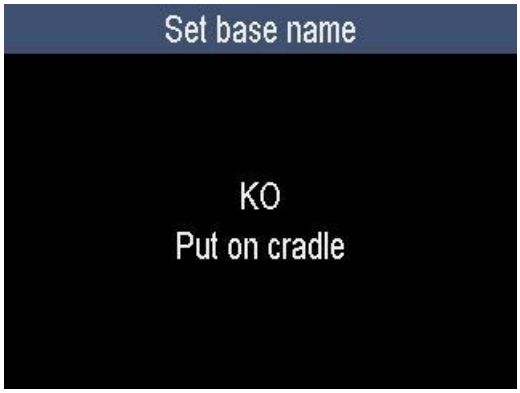
Enter the name of the base which will be displayed in the status bar. Then validate.

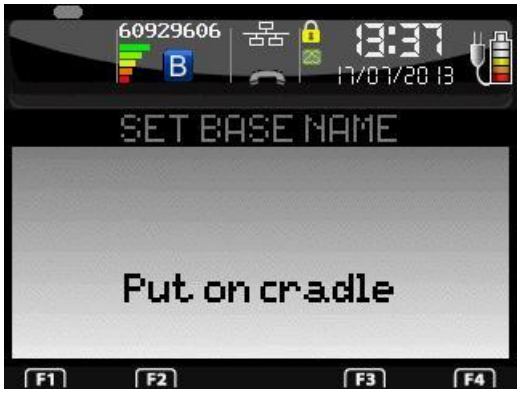
Then the report of the name change request is displayed.

9_6_2_8 Print

Print information about configuration and association of all Bluetooth ports.

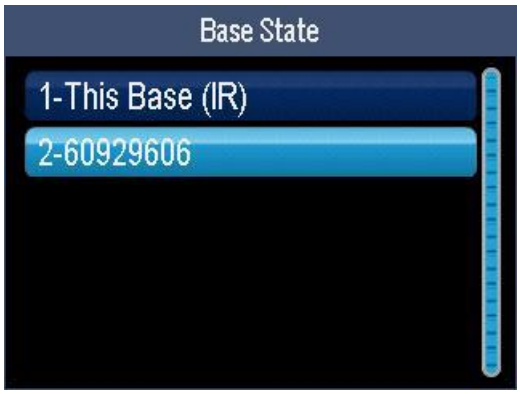
9_6_2_9 Clear Secret





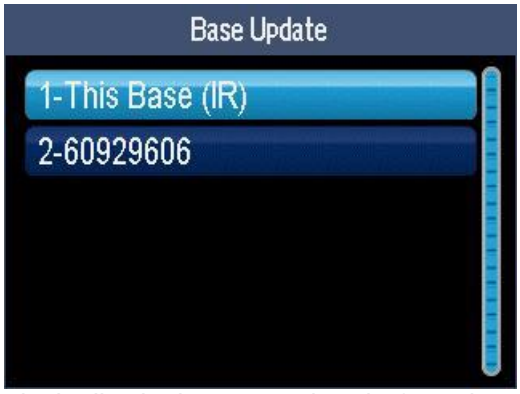
Place the terminal on the base on which you want to erase the association list. After this operation, terminals have to be associated again to use this base.

9_6_3 Base state



Select in the proposed list the base to to get the software version. After validation, terminal prints out its report.

9_7 Base update



Select in the list the base to update (software).

Terminal displays an update report (very fleeting if already updated).

9_8 Wi-Fi configuration

From the “Hardware” screen, select the  icon or the “Cradle Setup” item and validate. This item is displayed only on Wi-Fi terminals.

WI-FI configuration consists in creating a profile, i.e. the set of parameters required for connection to an Access Point. Several profiles can be created if connection is required to more than one Access Point. In this case, you can choose the profile which is active and the Access Point to which you want to connect.

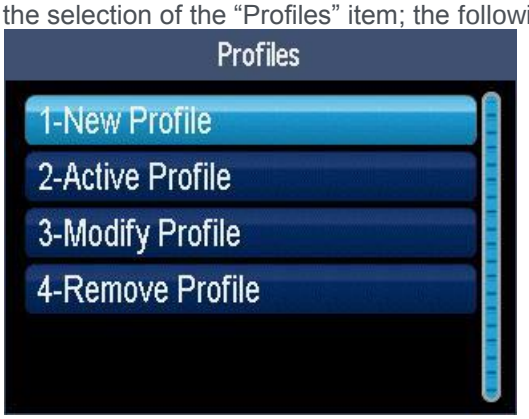
Security note:

If the WiFi interface is used to transfer any sensitive authentication data, including but not limited to the encrypted PIN or account data, the Wi-Fi interface must enforce encryption. The WIFI configuration profile shall be consistent with the PCI DSS v2 Wireless Guidance.

Select an item:

- "Profiles" to manage (create, activate, modify, delete) the Wi-Fi profiles (**Shortcut: F.55**);
- "Infos" to print the WI-FI terminal parameter and the list of known Access Points (profiles);
- "IP Setup" to configure the IP parameters of the WI-FI connection (refer 9_8_7 IP configuration).
- "General" to configure general wifi parameter (ON/OFF and DFS)

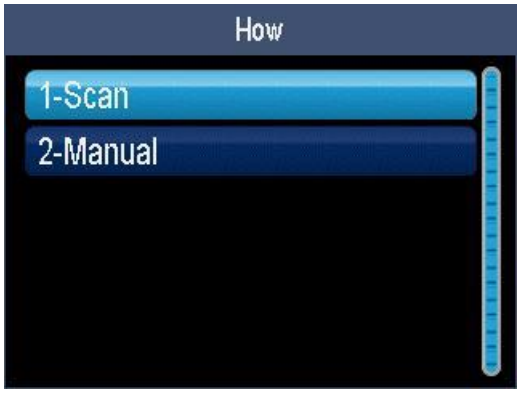
After the selection of the "Profiles" item; the following screen is displayed:



Select an item:

- "New Profile" to create a new Wi-Fi network (refer 9_8_1 New Profile);
- "Active Profile" to activate the Wi-Fi connection to a known Wi-Fi network (refer 9_8_4 Active Profile);
- "Modify Profile" to the configuration of a known Wi-Fi network (refer 9_8_5 Change Profile);
- "Remove Profile" to suppress a Wi-Fi network (refer 9_8_6 Delete Profile).

9_8_1 New Profile



Select the way to add a new Wi-Fi network:

- "Scan" to select a network among all visible ones;
- "Manual" to add a new network even if not visible.

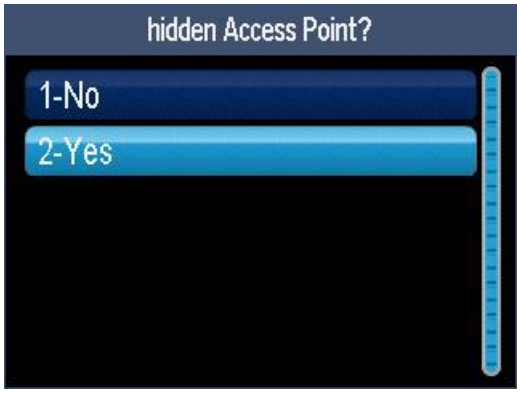
WARNING : Use the manual entry to be able to connect and to roam between different access points with the same name (connection to ESS).
Use automatic scan to limit the connection to the selected access point only (connection to BSSID).

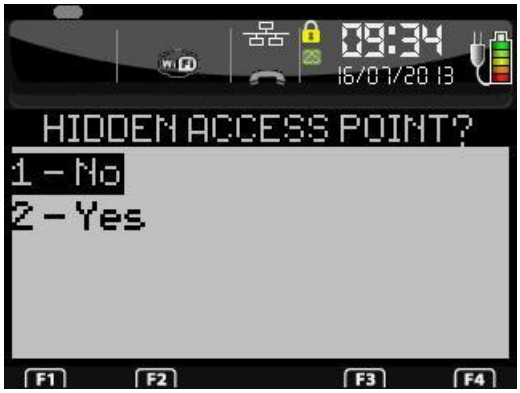
9_8_1_1 Automatic search

The terminal is scanning all Wi-Fi networks within its range.

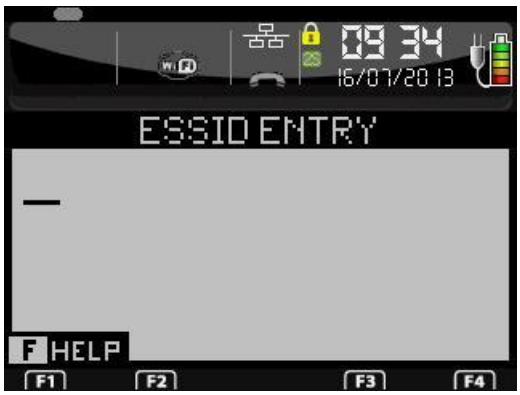
Then select a network among all visible ones. After validation, refer to 9_8_1_3 Security.
As some access points can spend too much time to send their answers, you may have to request a new scan for a complete list (exit with the red key).

9_8_1_2 Manual entry





Select if the network is hidden or not. It is recommended to select “No” if the network is really visible.



Enter the Wi-Fi network name (ESSID). Then validate.

9_8_1_3 Security

After the identification of the network either manually or by scan, select the security level:

- “Home Security”, refer 9_8_3 Home Security,
- “Enterprise Security”, refer 9_8_2 Enterprise Security.

Nota: “Enterprise Security” requires a “RADIUS” server on the selected Wi-Fi network.

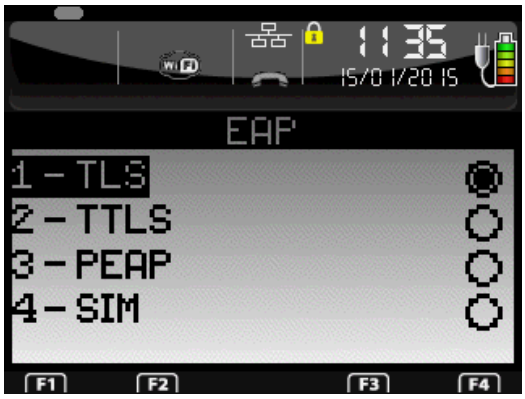
9_8_1_4 Report

Once the configuration of the security is finished, the report is displayed. After validation, the terminal goes back to the “Profiles” menu. The terminal must connect immediately. If this is not the case, it will connect on the next restart or on the next wakeup.

9_8_2 Enterprise Security

9_8_2_1 EAP Method

The following screen is displayed after selecting the “Enterprise Security” from the “New Profile” or “Change Profile” procedure.



Select the authentication type:

- TLS – refer 9_8_2_2 WPA_EAP TLS, or
- TTLS – refer 9_8_2_3 WPA_EAP TTLS, or
- PEAP – refer 9_8_2_4 WPA_EAP PEAP or
- SIM – refer 9_8_2_5 WPA_EAP SIM

9_8_2_2 WPA_EAP TLS

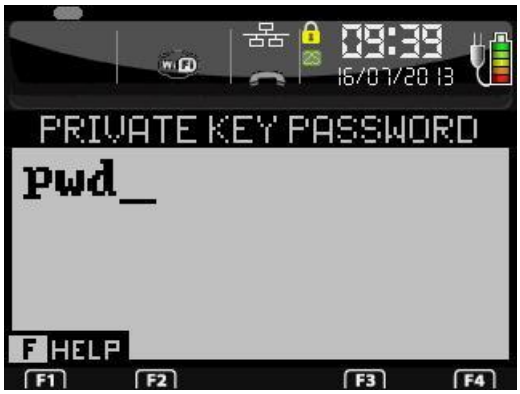
Enter the priority (from 1 to 20) and validate.
Priority is the preference order between known Wi-Fi networks: “1” (recommended value) for lowest priority, “20” for the preferred network. The Wi-Fi network is automatically selected according to its visibility and its priority.

Enter the user name. Then validate.

Select the root certificate. Then validate.

Select the client certificate. Then validate.

Select the private key. Then validate.
WARNING Private key MUST BE PKCS8 format.



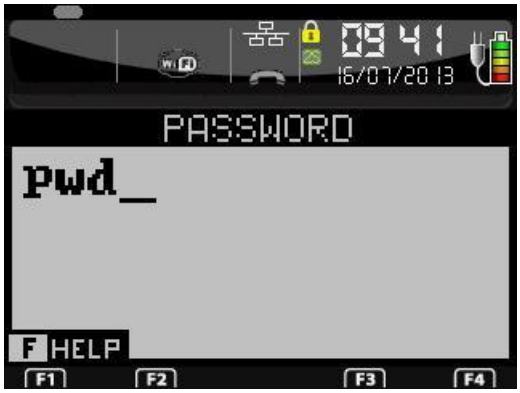
Enter the password of the private key. After validation, a report is displayed.

9_8_2_3 WPA_EAP TTLS

Enter the priority (from 1 to 20) and validate.
Priority is the preference order between known Wi-Fi networks: “1” (recommended value) for lowest priority, “20” for the preferred network. The Wi-Fi network is automatically selected according to its visibility and its priority.

Select the “Phase 2” negociation and validate.

Enter the user name. Then validate.



Enter the password. Then validate.

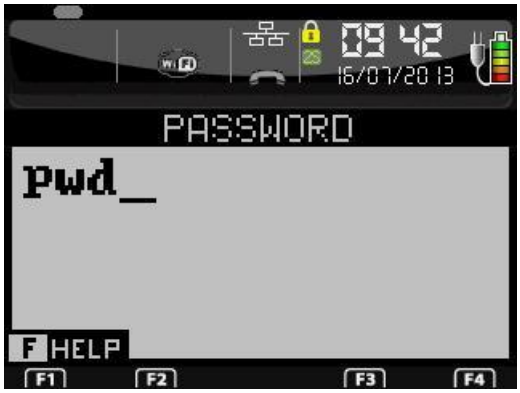
Select the root certificate. After validation, a report is displayed.

9_8_2_4 WPA_EAP PEAP

Enter the priority (from 1 to 20) and validate.
Priority is the preference order between known Wi-Fi networks: “1” (recommended value) for lowest priority, “20” for the preferred network. The Wi-Fi network is automatically selected according to its visibility and its priority.

Select the “Phase” negociation and validate.

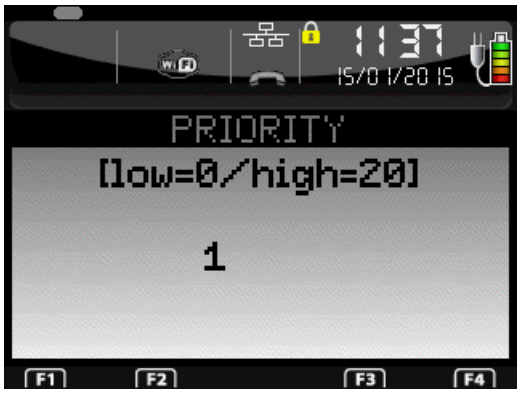
Enter the user name. Then validate.



Enter the password. Then validate.

Select the root certificate. After validation, a report is displayed.

9_8_2_5 WPA_EAP SIM



Enter the priority (from 1 to 20) and validate.
Priority is the preference order between known Wi-Fi networks: “1” (recommended value) for lowest priority, “20” for the preferred network. The Wi-Fi network is automatically selected according to its visibility and its priority.

9_8_3 Home Security

The following screen is displayed after selecting the “Home Security” from the “New Profile” or “Change Profile” procedure.

Enter the priority (from 1 to 20) and validate.
Priority is the preference order between known Wi-Fi networks: “1” (recommended value) for lowest priority, “20” for the preferred network. The Wi-Fi network is automatically selected according to its visibility and its priority.

If required by the wireless network, select the type of ciphering:

- NONE: no ciphering protection,
- WEP64: WEP ciphering protection with a 64bits key,
- WEP128 (default choice): WEP ciphering protection with a 128bits key,
- WPA/WPA2: WPA ciphering protection with a 256bits key.

9_8_3_1 WEP64

Enter the WEP key (10 hexadecimal digits). After validation, a report is displayed.

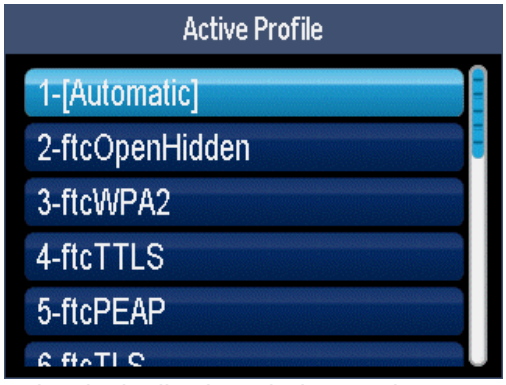
9_8_3_2 WEP128

Enter the WEP key (26 hexadecimal digits). After validation, a report is displayed.

9_8_3_3 WPA/WPA2

Enter the WAP passphrase (up to 63 caracters). After validation, a report is displayed.

9_8_4 Active Profile

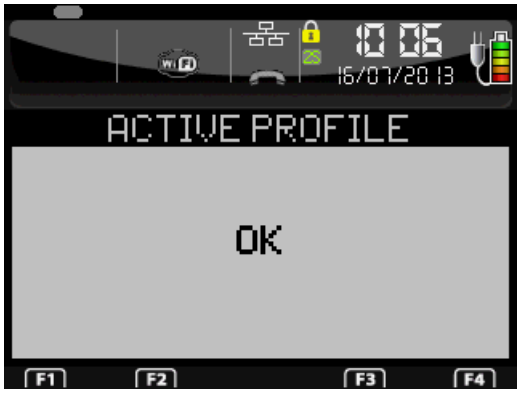


Select in the list the Wi-Fi network to use.

Select Automatic to activate the priority mechanism and let the supplicant choosing the best profile automatically and let it roaming if necessary.

Note : prioritity criteria is in preferred order :
1 / the priority number
2 / security priority (open and wep are less priority than other security) / if priority is equal
3 / signal strength / if priority and security equal

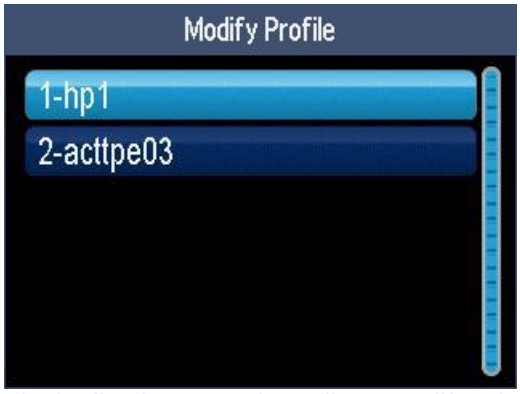
Note 2 : When access point is hidden, it doesn't enter into priority mechanism.



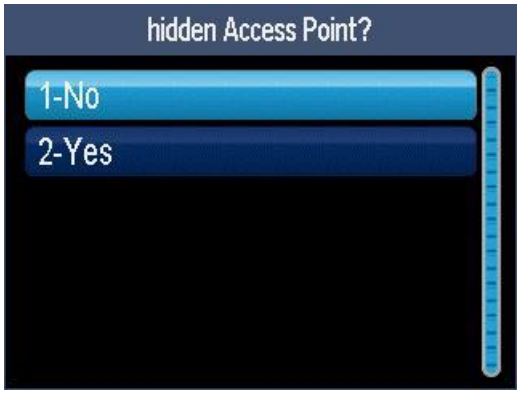
Then an activation report is displayed.

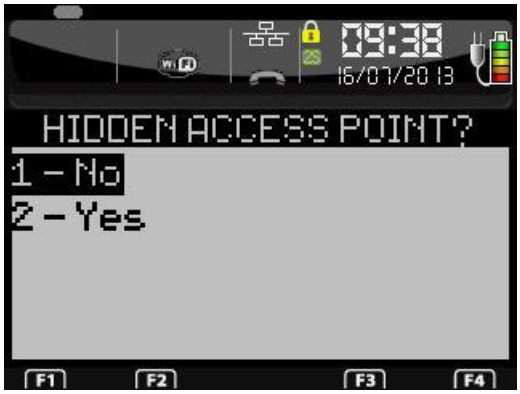
9_8_5 Change Profile

9_8_5_1 Profile



Select in the list the network profile to modify. Then validate.





Select if the access point is visible or not. Then validate.

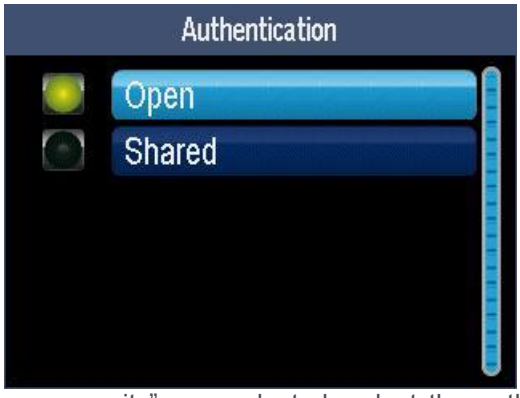
9_8_5_2 Security

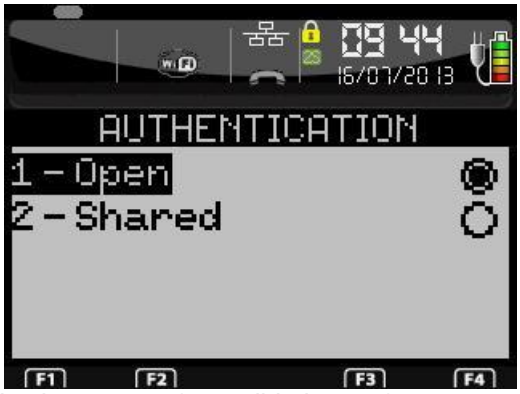
Select the security level:

- "Home Security",
- "Enterprise Security", refer 9_8_2 Enterprise Security.

Nota: "Enterprise Security" requires a "RADIUS" server on the selected Wi-Fi network.

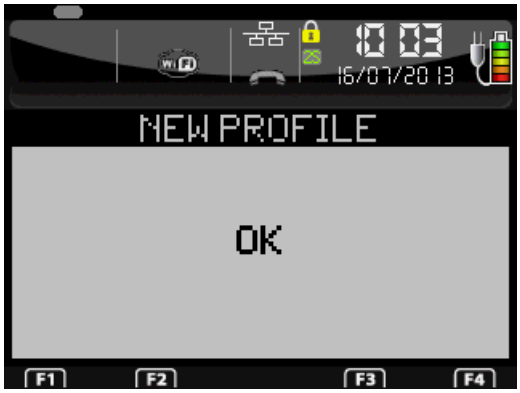
9_8_5_3 Authentication





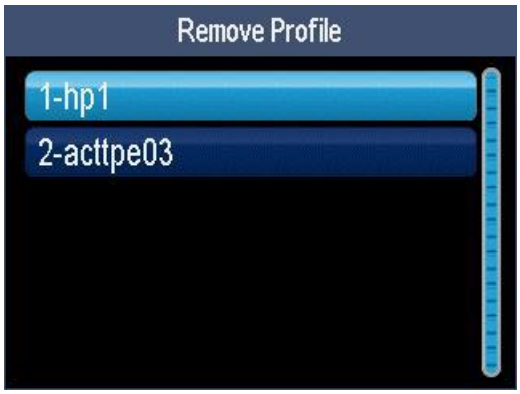
If "Home security" was selected, select the authentication type. After validation, refer 9_8_3 Home Security.

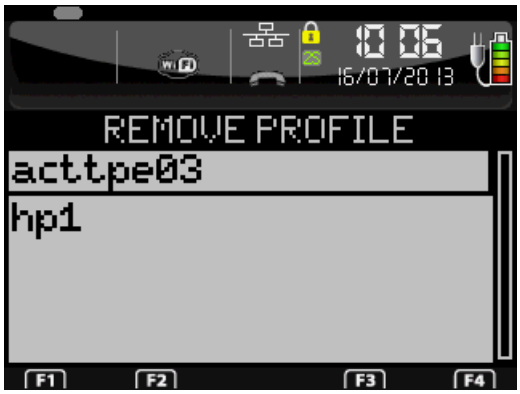
9_8_5_4 Report



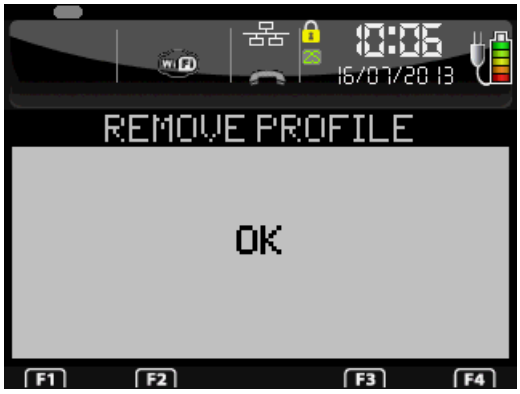
Once the configuration of the security is finished, the report is displayed. After validation, the terminal goes back to the “Profiles” menu. The terminal must connect immediately. If this is not the case, it will connect on the next restart or on the next wakeup.

9_8_6 Delete Profile



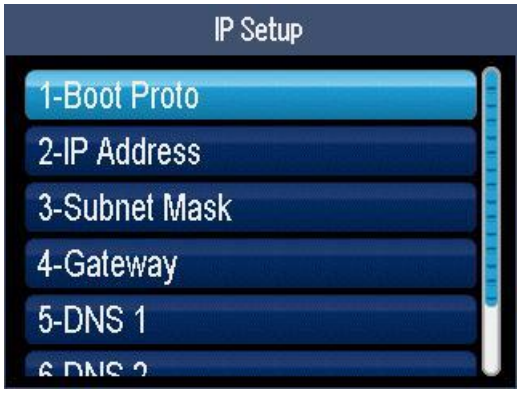


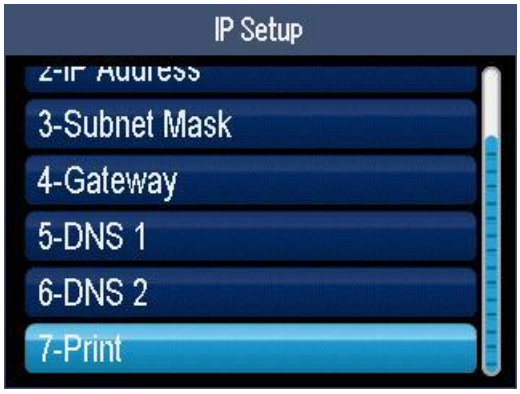
Select in the list the profile to suppress.

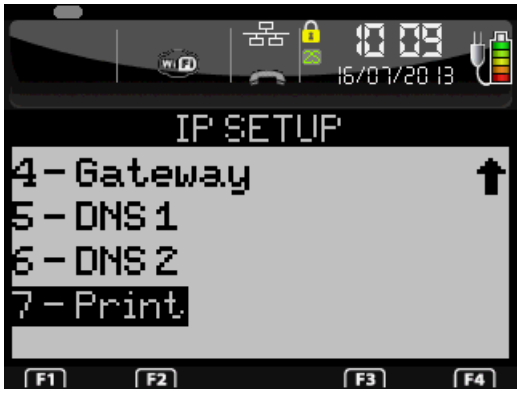


Then the deletion report is displayed.

9_8_7 IP configuration







Item	Reference
Boot Proto	9_8_7_1 Boot Protocol
IP Address	9_8_7_2 IP address
Subnet Mask	9_8_7_3 Network mask
Gateway	9_8_7_4 Gateway
DNS1	9_8_7_5 DNS1
DNS2	9_8_7_6 DNS2
Print	9_8_7_7 Print
Ping	9_8_7_78 Printing
Reset Conf	9_8_7_78 Reset Conf

9_8_7_1 Boot Protocol

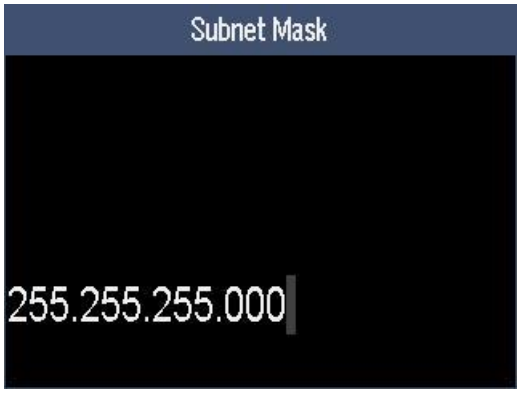
Select the network configuration mode:

- "Static Address" requiring IP address, Network mask, Gateway, DSN1 and DSN2 parameters, or
- "DHCP" (Dynamic Host Configuration Protocol) in which parameters are negociated at startup of the terminal (the other parameters have no effect but can still be entered).

9_8_7_2 IP address

Enter the IP address of the terminal (supplied by the administrator of the local network). IP Address is composed of four digital fields, each one from 0 to 255.

9_8_7_3 Network mask

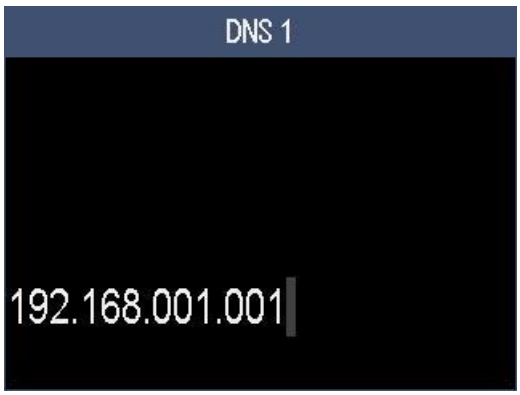


Enter the sub-network mask of the Ethernet interface (usually 255.255.255.000). As IP Address, the sub-network mask is composed of four digital fields, each one from 0 to 255.

9_8_7_4 Gateway

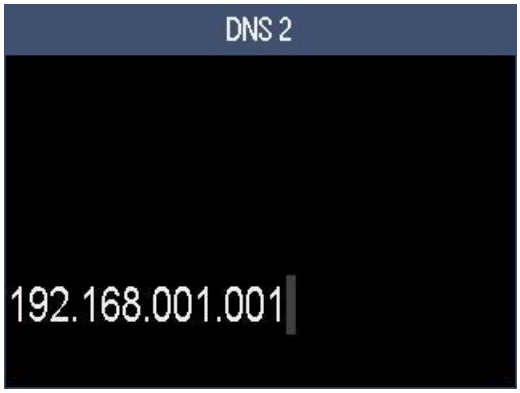
Enter Gateway address (supplied by the administrator of the local network) which is the IP address of the machine used by gateway to join other networks.

9_8_7_5 DNS1



Enter the IP address of Domain Name Servers 1 (supplied by the administrator of the local network).

9_8_7_6 DNS2



Enter the IP address of Domain Name Servers 2 (supplied by the administrator of the local network).

9_8_7_7 Print

A ticket is printed with the current configuration (for example to quickly verify the value of modem options before saving).

9_8_7_8 Ping

Ping is described on the Ethernet configuration. This is the same function.

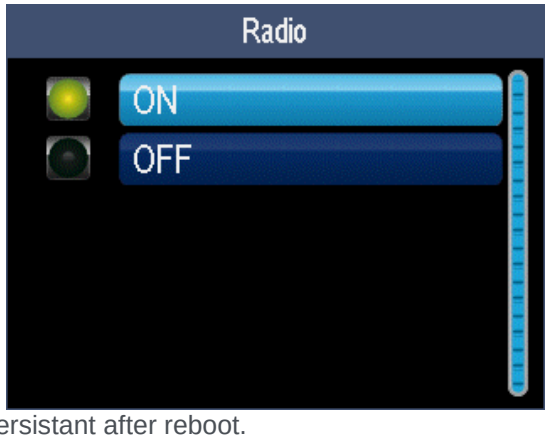
9_8_7_9 Reset Conf

Reset conf will delete all the wifi profiles recorded.

9_8_8 General setting

Select setting you want to change RADIO On/OFF or DFS

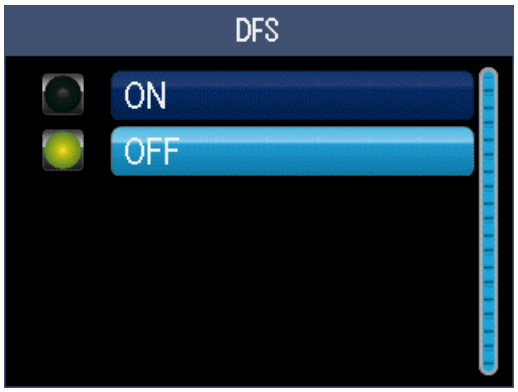
9_8_8_1 Radio ON/OFF



Select OFF to power OFF the radio. OFF is persistant after reboot.
Select ON to power ON the radio. ON is persistant after reboot.

9_8_8_2 DFS ON/OFF

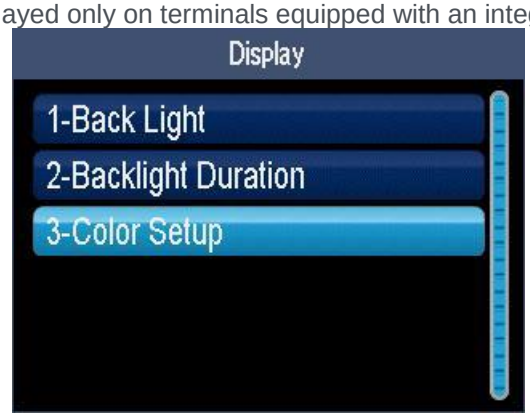
DFS is used on 5GHz channels to shut down or change chanell when it is required by DFS satellite. In any case the DFS is active. When setted ON, the the scan become passive (no broadcast) to be quite in any AP DFS request case. This could delay a little bit the scan time and connection time.

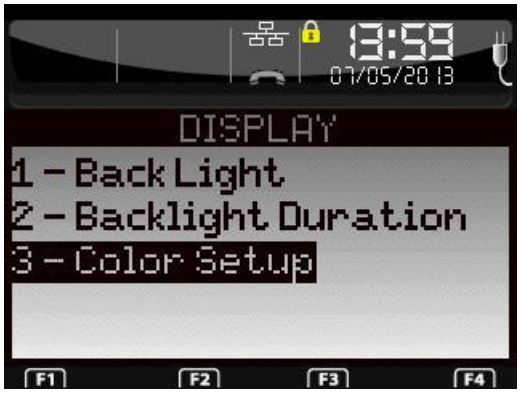


Select OFF to select a passive scan for DFS. OFF is persistant after reboot.
Select ON to select an active scan for DFS. ON is persistant after reboot.

9_9 Configuration of screen

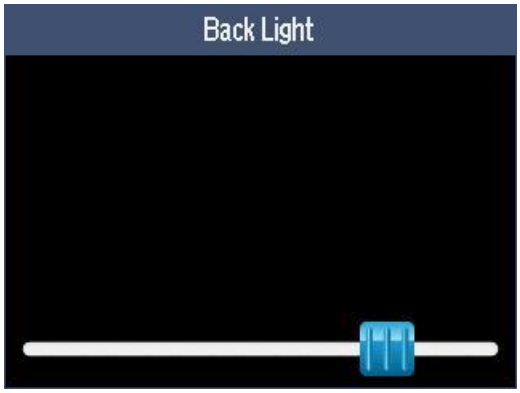
From the “Hardware” screen, select the  icon or the “Display” item and validate. This item is displayed only on terminals equipped with an integrated modem.





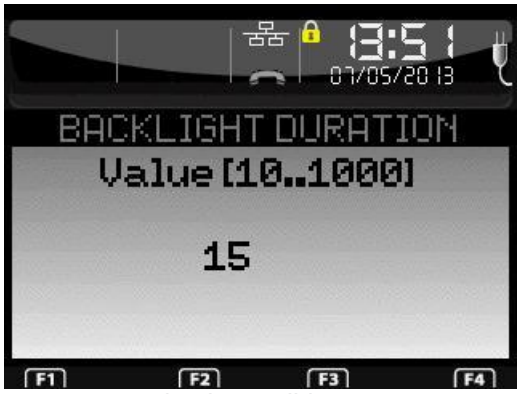
Item	Reference
Back Light	9_9_1 Backlighting
Backlight Duration	9_9_2 Backlight duration
Color Setup	9_9_3 Colors

9_9_1 Backlighting



Adjust the intensity of the backlighting using the “up” or “down” keys of the navigator. Then validate.

9_9_2 Backlight duration



Enter the duration of the backlightning (in seconds, from 10 to 1000). Then validate.

9_9_3 Colors

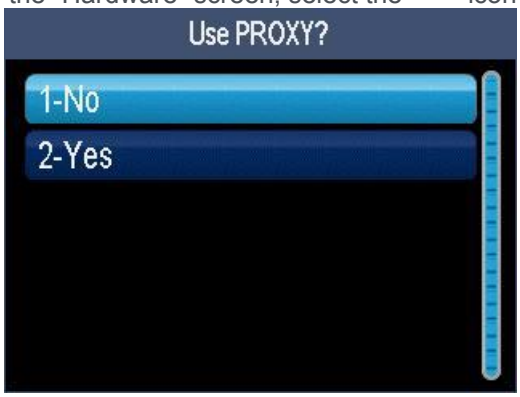
From the “Display” screen, select the “Color” item and validate.
Then for “Goal”, select either “Background color” or “text color” item.

For “Goal”, select the color then validate.
For “LibGR”, enter the “Red Green Blue” color code:

- Up and down keys to change the hexadecimal value to the highlighted RGB parameter;
- Green key to go to another RGB parameter;
- Yellow key to change line (Text ⇔Background);
- Red key to exit the menu and save the colors.

9_10 Proxy

From the “Hardware” screen, select the  icon or the “Proxi” item and validate.



Select “Yes” if the terminal reaches the bank server via a proxy server.

If there is a proxy server, select the protocol type either:

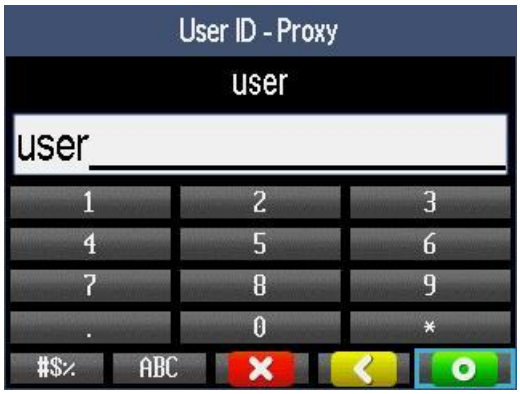
- SOCKS4 requiring IP address, port and optionally a user ID, or
- SOCKS5 requiring IP address, port and optionally a login and a password.

Enter the IP address of the terminal (supplied by the administrator of the local network). IP Address is composed of four digital fields, each one from 0 to 255.

Enter the port number. Then validate.

9_10_1 SOCKS4 protocol

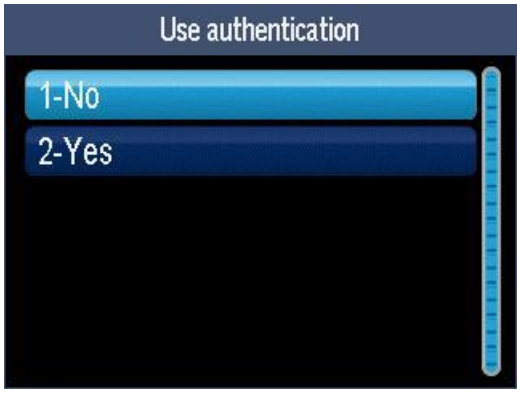
The following screen is displayed only by selecting “SOCKS4” protocol and activating “user authentication”.



Enter the user ID for proxy server. Then validate.

9_10_2 SOCKS5 protocol

The following screens are displayed only by selecting “SOCKS5”.



Select “Yes” if the proxy server requires a user authentication. After validation, refer the following screens. If “No” is selected and validated, the configuration of the proxy server is finished.

Enter the login of the user. Then validate.

Enter the password of the user. Then validate.

9_11 Bluetooth Audio

From the “Hardware” screen, select the  icon or the “Bluetooth Streaming” item and validate. This item is available only on mobile Bluetooth iWL280/350.

This screen is displayed only if the functionality is enabled. If disabled, refer 9_11_1 Activation.

Item	Reference
Enable	9_11_1 Activation
Disable	9_11_2 Deactivation
Information	9_11_3 Information
Discovery	9_11_4 Peripheral research
Pincode	9_11_5 Pincode

9_11_1 Activation

This screen is displayed only if the functionality is disabled.
Select “Enable” to activate the functionality. After validation, the screen presented in 9_11_ Bluetooth Audio is displayed.

9_11_2 Deactivation

Select “Disable” to deactivate the functionality. After validation, the screen presented in 9_11_1 Activation is displayed.

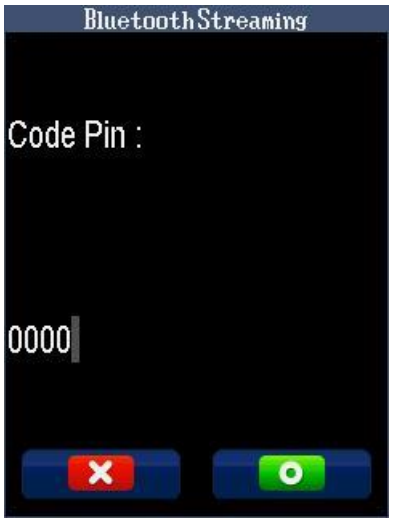
9_11_3 Information

The terminal displays information about the Bluetooth headset associated to the functionality (empty screen if no associated peripheral).

9_11_4 Peripheral research

The terminal looks for Bluetooth peripherals. Select in the list the Bluetooth headset. Then validate.

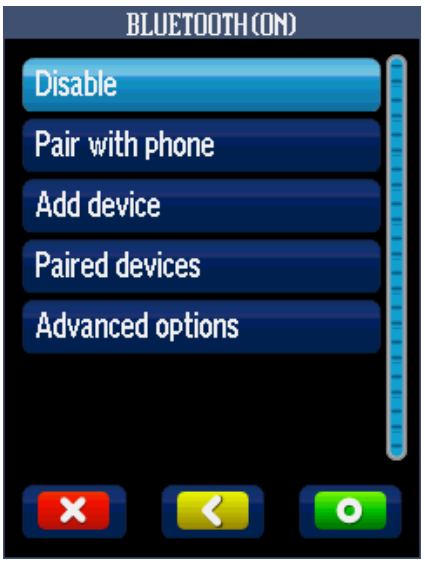
9_11_5 Pincode

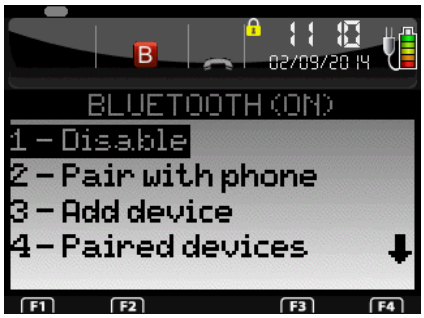


Enter the pin code furnished by the headset to unlock the connection. Then validate.

9_12 Bluetooth

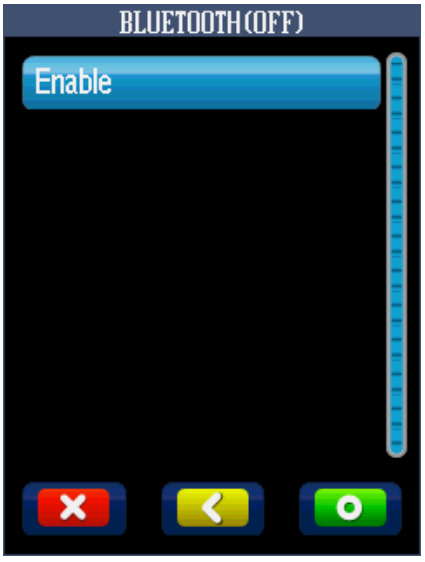
This item is available only on Bluetooth terminals.

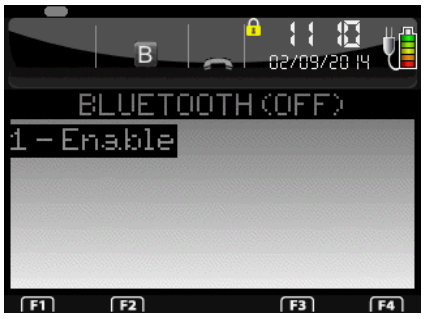




Item	Reference
Enable/Disable	9_12_1 Enable/Disable
Pair with phone	9_12_2 Pair with phone
Add device	9_12_3 Add device
Paired devices	9_12_4 Paired device
Advanced options	9_12_5 Advanced options

9_12_1 Enable/Disable

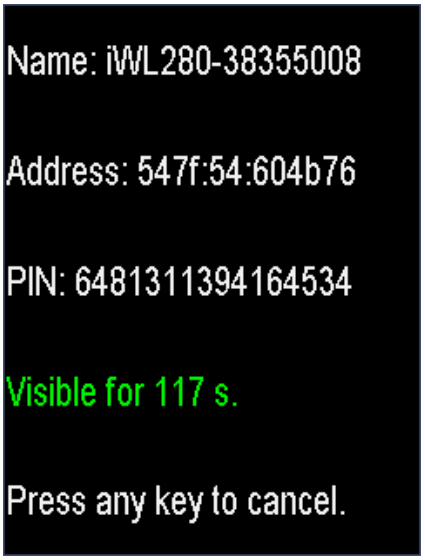


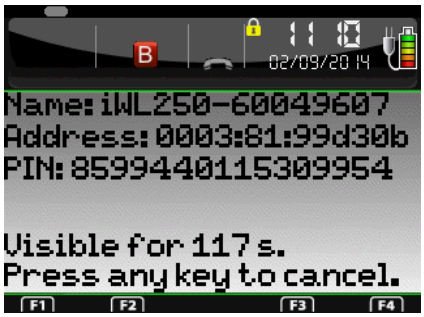


This screen is displayed only if the functionality is disabled.
Select “Enable” to activate the functionality. After validation, the screen presented in 9_12_ Bluetooth is displayed.

9_12_2 Pair with phone

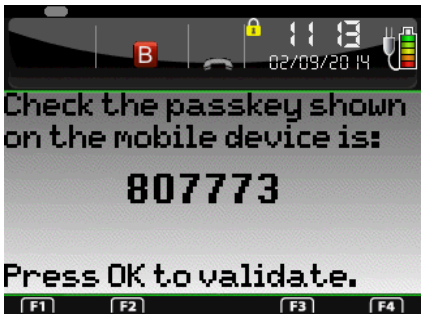
- Select “Pair with phone” to pair a Bluetooth phone or tablet to the terminal. After validation the following screen is displayed.



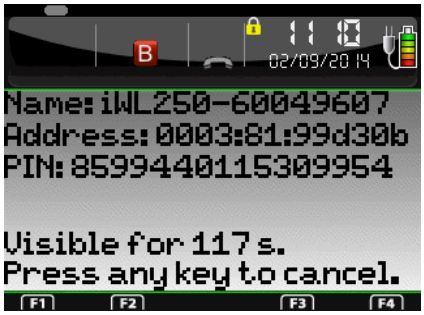


- On the phone or tablet side select the terminal in the list of discovered Bluetooth devices.

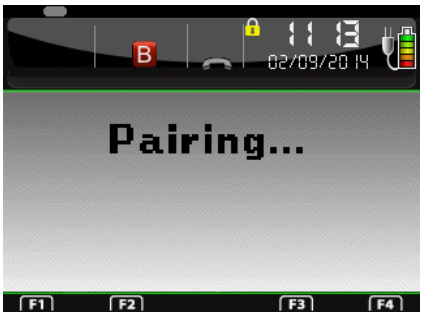
- If the pairing mode (refer to 9_12_5_2 Pairing mode for more informations) is set to “Pin Comparison” you should have to compare the passkey on the tablet or phone to the terminal one and validate on the two sides.



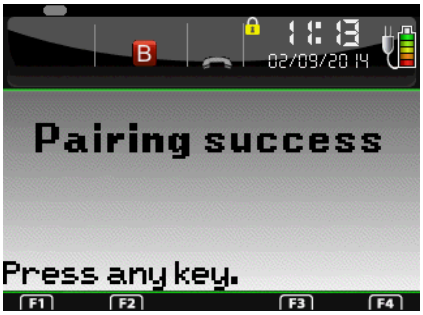
- Else if the pairing mode is set to “Pin entry” you should have to enter the 16 digits Pincode displayed on the terminal to the tablet or smartphone and validate.



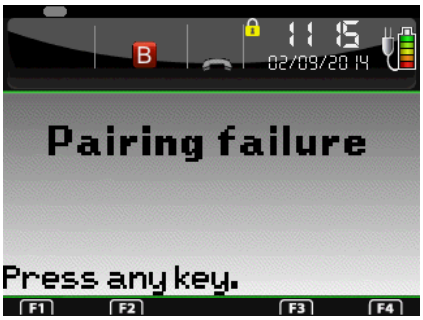
- After validation the following screen is displayed a few seconds.



- At the end of the pairing phase your device should be paired and the following screen is displayed



- If the pairing failed, the following screen is displayed.



9_12_3 Add device

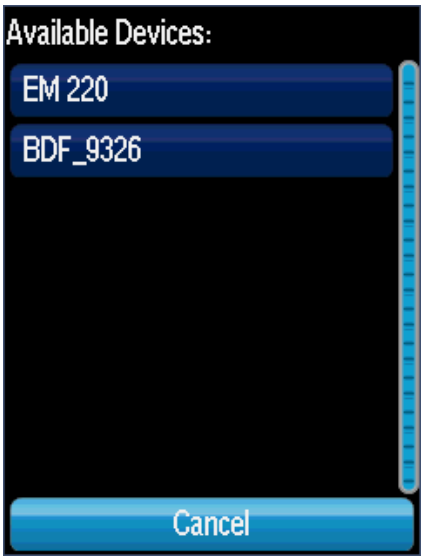
In this item you can pair a device to the Bluetooth terminal. But the type of device to pair depends on the type of Bluetooth terminal.

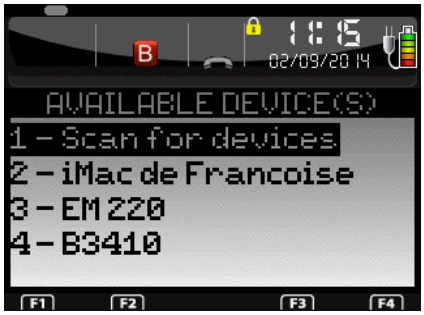
- Bluetooth printer:
  - iCM122
  - iMP322/iMP352
  - iUC180B
  - iUP250
  - iUI120

- Bluetooth barcode reader:
  - iWL222 / iWL252
  - iWL282 / iWL284 / iWL286
  - iWL354 / iWL356

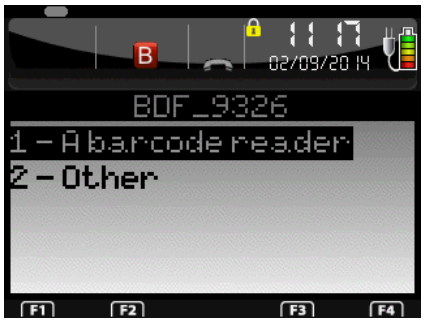
- iOS bridge:
  - iCM122
  - iMP322
  - iMP352

An iOS bridge is a type of Bluetotoh device that will be physically connected to the Telium terminal but will be functionnaly driven by the iOS application. That's why this type is only available on device with the iAP chip.
Once the item selected, a screen will display the available Bluetooth devices





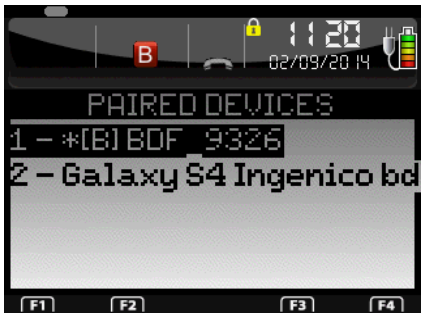
Select the device you want to pair. If the device does not appear, wait some time (GOAL terminals) or hit *Scan for devices* (Libgr terminals).
Optionnaly, a new screen will appear, to specify whart type of deivce is being paired. The screen will not lways appear, as for some case, Telium can automatically determine whether the device is a printer or a barcode reader.



The rest of the pairing process is the same as when pairing a phone (refer to section 9_12_2 Pair with phone)

9_12_4 Paired devices

In this item you can display and modify the paired devices. After validation the following screen is displayed.



Depending on the device type the icons (for GOAL) or prefixes (for Libgr) are:

- Bluetooth printer:

-  or  if it is the selected printer in GOAL
- and [P] or *[P] in Libgr (* identify the selected device)

- Bluetooth barcode reader:
  -  or  if it is the selected barcode reader in GOAL
  - And [B] or *[B] in Libgr (* identify the selected device)

- iOS bridge (previously named SPP):
  -  or  if it is the selected phone or tablet
  - And [i] or *[i] in Libgr (* identify the selected device)

- Mobile device for other cases (smartphone or tablet):
  -  in GOAL and no prefix in Libgr

Selecting a device you can manage it. The options depend on the type of device:

- Bluetooth printer:
  - Remove: unpair the device
  - Auto connect: (if this option is supported by the printer)
    - YES to keep the connection alive. This will increase the power consumption (lower battery life) but speed up the printing
    - NO to connect on demand (managed by the Telium application). This will slow the printing as the Bluetooth connection will have to be established each time
  - Set / Unset as default: To set the printer to use by default

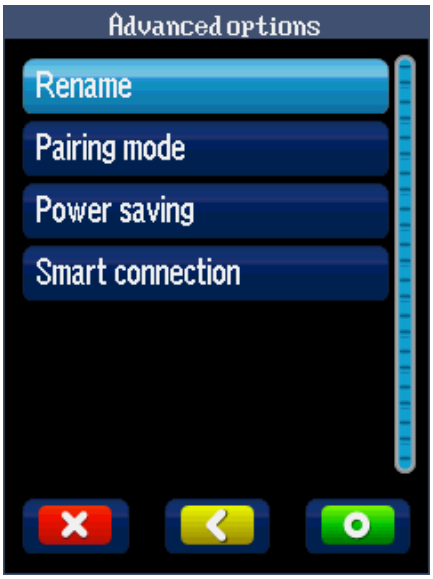
- Bluetooth barcode reader:
  - Remove: unpair the device
  - Set / Unset as default: To set the barcode reader to use by default

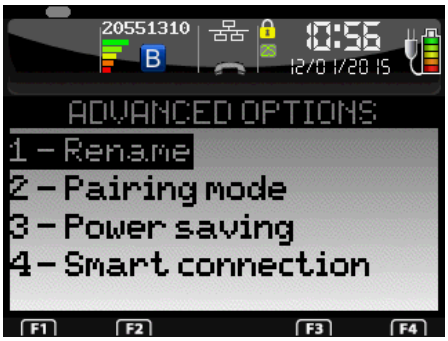
- iOS bridge:
  - Remove: unpair the device
  - Set / Unset as default: To set the iOS bridge to use

- Mobile device for other cases (smartphone or tablet):
  - Remove: unpair the device
  - Set / Unset as default: To set the Apple device to use (item only available on Apple device)

9_12_5 Advanced options

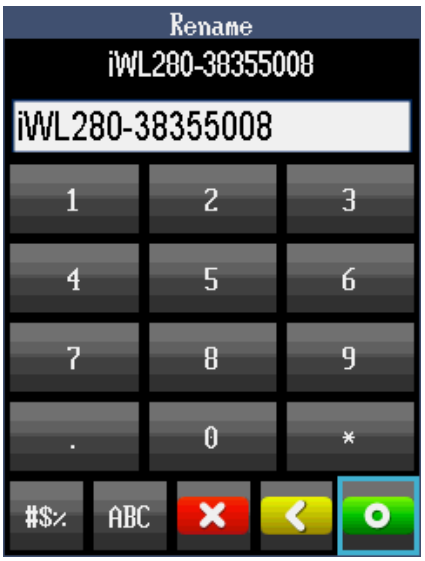
In this item you can modify the advanced functions. After validation the following screen is displayed.

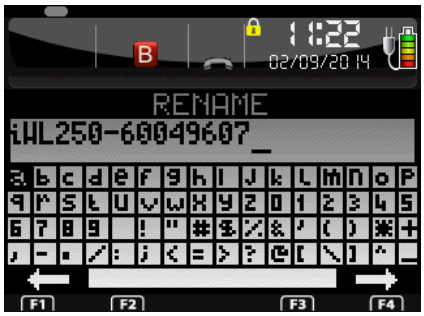




9_12_5_1 Rename

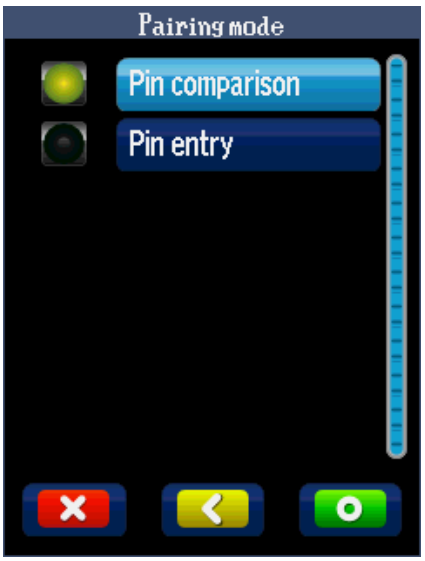
In this item you can modify the terminal Bluetooth name. After validation the following screen is displayed.

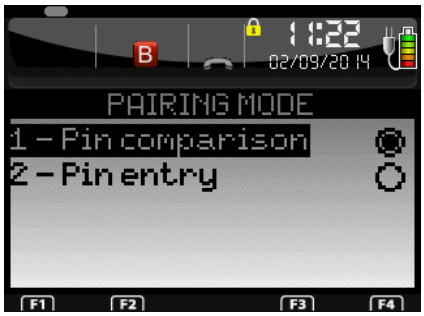




9_12_5_2 Pairing mode

In this item you can modify the Bluetooth pairing security mode. After validation the following screen is displayed.



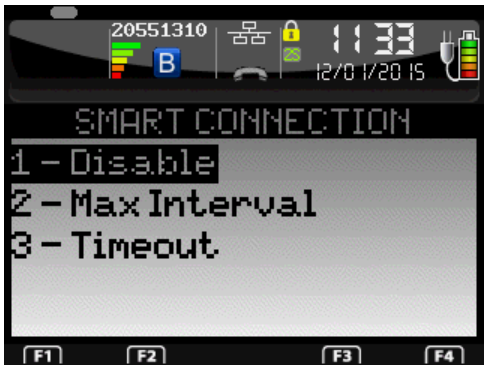


9_12_5_3 Power saving

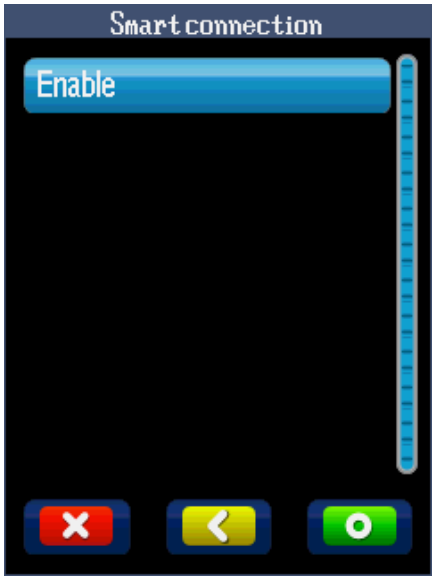
Select “Standby Mode” to maintain the Bluetooth connection with devices if the terminal is in stanby mode. In this case the terminal can be woken up from smartphone or tablet.
The Bluetooth connection will be maintained in a low energy mode to reduce the battery usage.

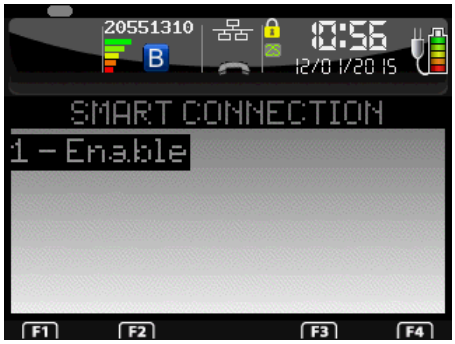
9_12_5_4 Smart Connection

In this item you can modify the parameters of smart connection to customize Bluetooth paging. After validation the following screen is displayed



9_12_5_4_1 Enable/Disable

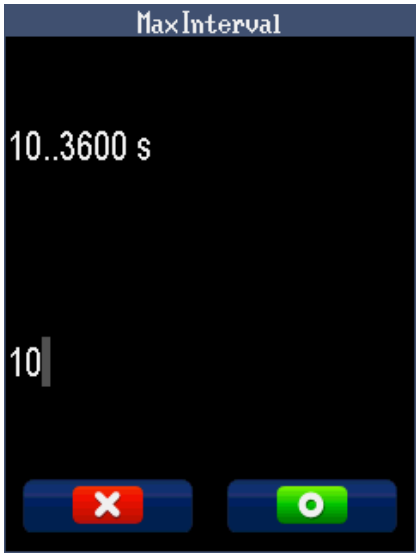




This screen is displayed only if the functionality is disabled.
Select “Enable” to activate the functionality. After validation, the screen presented in 9_12_5_4 Smart Connection is displayed.

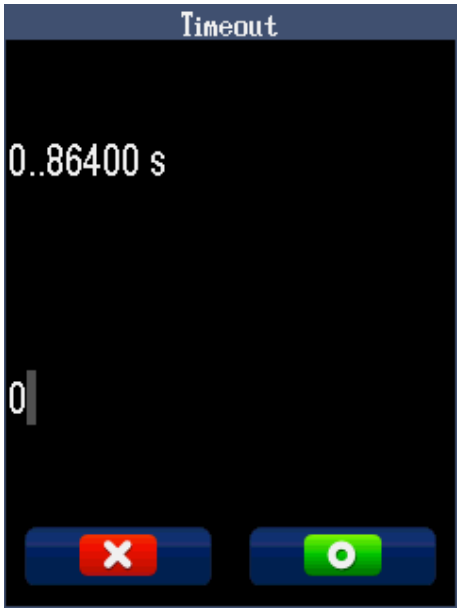
9_12_5_4_2 Max interval

In this item you can modify the maximum interval for Bluetooth paging. The value must be between 10 and 3600 seconds



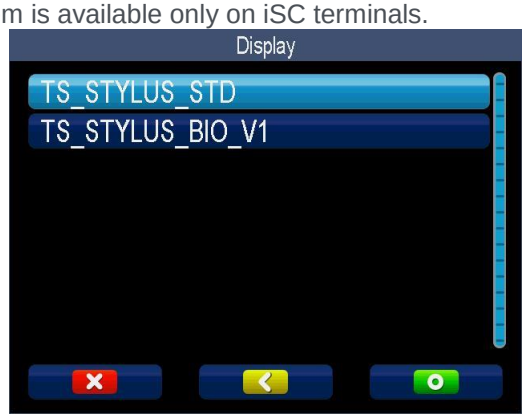
9_12_5_4_3 Timeout

In this item you can modify the timeout for Bluetooth paging. The value must be between 0 and 86400 seconds. The value 0 means infinite.



9_13 Stylus

This item is available only on iSC terminals.



Select in the list the kind of stylus used on the terminal. Then validate.

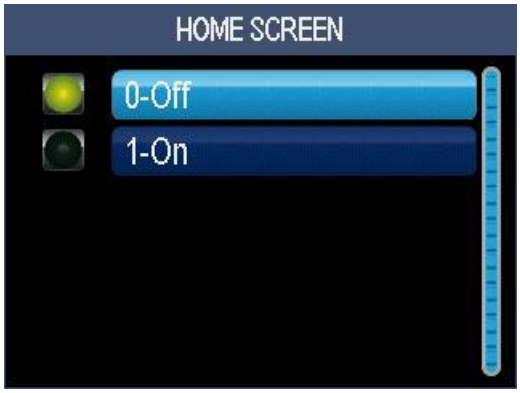
10 Home screen

"Home screen" is an application installed with the manager and only in "GOAL" mode.
When activated, "Home screen" displays the list of all runnable applications (select one to launch it). Once the inactivity delay of the "home screen" is elapsed, it realases the focus to the system to display the "Idle screen". If no application manages the "Idle screen", focus is given back to the "Home screen".

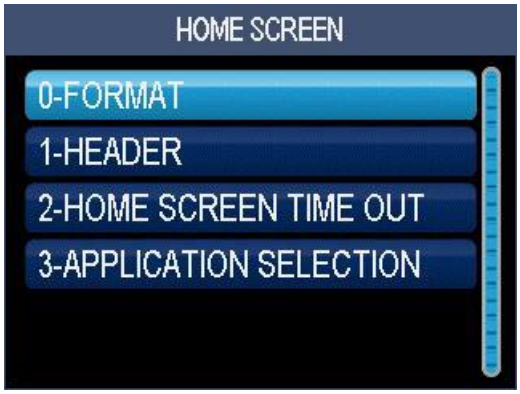
10_1 Activation

From the idle screen, press the function key **F**.

Then select the "Home Screen" item and validate.



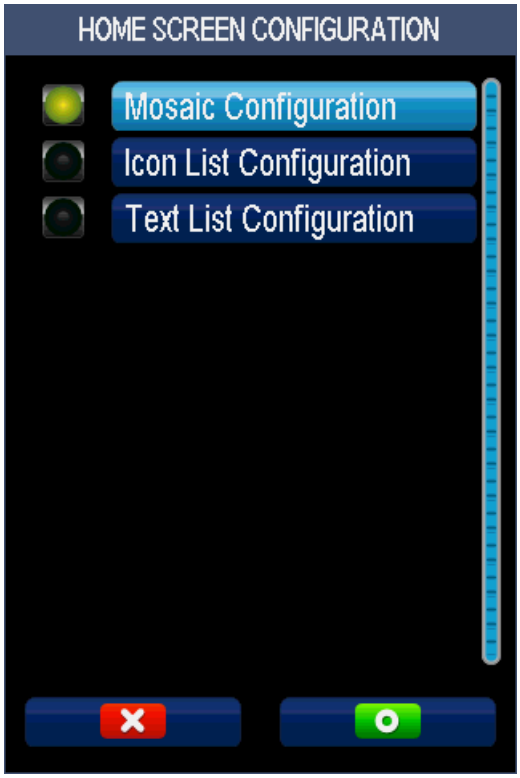
Select "On" to enable the display of the "Home screen". Otherwise, select "Off".



This screen is displayed only if "On" was validated.

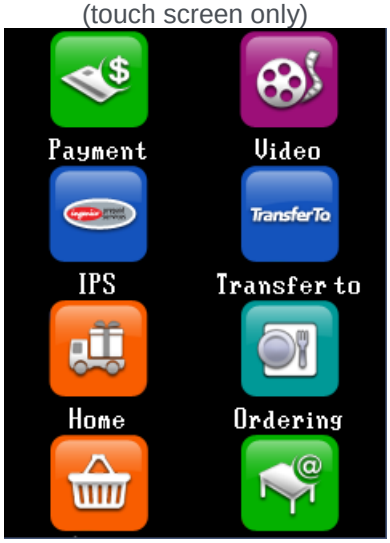
Item	Reference
Fomat	10_2 Format
Header	10_3 Header
Home screen time-out	10_4 Time-out
Application selection	10_5 Applications

10_2 Format

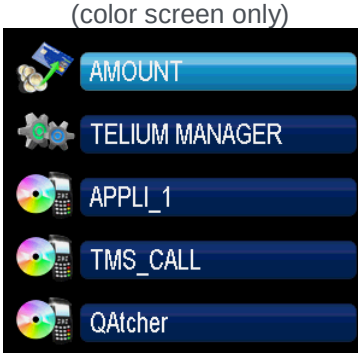


Select in the list the type of display on the home screen:

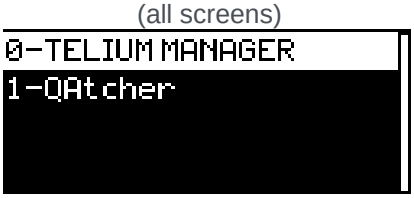
Mosaic
(touch screen only)



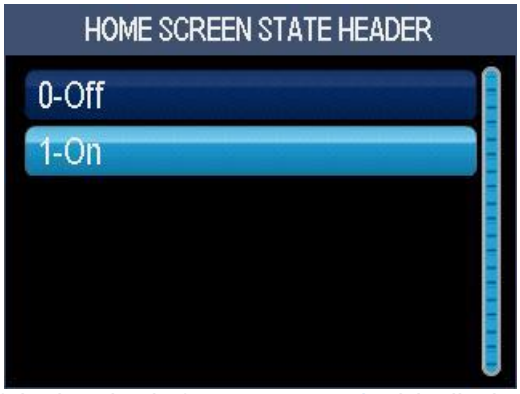
Icon
(color screen only)



Text
(all screens)



10_3 Header



Select if the header (refer 7_6 Status bar) is displayed or not on the home screen.

10_4 Time-out

Enter the duration (in seconds) of the home screen display before switching on the “idle screen”. Then validate.

10_5 Applications

Select / unselect using the < key the application to be displayed on the “home screen”. Then validate.

11 Appendix

11_1 List of shortcuts for TELIUM MANAGER functions

Shortcut	Description
F.0	Print the list of shortcuts.
F.1	Print the status of the applications (cf. 8_1_1).
F.2	Print the log of the transactions (cf. 8_1_2).
F.3	Go to the Call consultation screen (cf. 8_1_3).
F.4	Print the full hardware configuration (cf. 8_1_4_1).
F.5	Go to the selection screen for software configuration display (cf. 8_1_4_2).
F.6	Go to the selection screen for software configuration printing (cf. 8_1_4).
F.7	Launch the software local load – LLT (cf. 8_2_1).
F.8	Launch the software load by USB key (cf. 8_2_1).
F.9	Launch the software load by MMC/SD card (cf. 8_2_1).
F.10	Launch the software remote load (cf. 8_2_2).
F.12	Go to the “Date and Time” initialization screen (cf. 6_2).
F.13	Go to the “Language” initialization screen (cf. 6_1).
F.14	Go to the “Terminal Number” initialization screen (cf. 6_3).
F.15	Go to the “Currency” initialization screen (cf. 6_4).
F.16	Go to the “Switchboard” initialization screen (cf. 6_5).
F.17	Go to the “Pinpad” initialization screen (cf. 6_6).
F.18	Go to the “Stripe Reader” initialization screen (cf. 6_8).
F.19	Display the “Serial Number” (cf. 6_9).
F.20	Go to the “Network” initialization screen (cf. 6_10).
F.21	Go to the “Cash Register” initialization screen (cf. 6_12).
F.22	Go to the “TMS network” initialization screen (cf. 6_13).
F.23	Go to the “SIM Code” initialization screen (cf. 7_1).
F.24	Restore the “param.par” parameters (cf. 7_3).
F.25	Go to the “Idle Screen” initialization screen (cf. 7_4).
F.26	Go to the “Password” initialization screen (cf. 7_5).
F.27	Print the “System” diagnosis (cf. 8_3_1).
F.28	Print the “Booster” diagnosis (cf. 8_3_1).
F.29	Send the diagnosis to TMS (cf. 8_3).
F.30	Go to the “local diagnosis” deletion screen (cf. 8_3_2).
F.31	Go to the “Hardware Modification” screen (cf. 8_5).

F.32	Go to the “Software Modification” screen (cf. 8_5).
F.33	Lookup Licence (cf. 8_6_1).
F.34	Go to the “Add Licence” screen (cf. 8_6_2).
F.37	Print the TPASS hardware configuration (cf. 8_1_4_1).
F.38	Print the target software configuration (cf. 8_1_4_2).
F39	Print the pinpad hardware configuration (cf. 8_1_4_1).
F40	Print the pinpad software configuration (cf. 8_1_4_2).
F.41	Go to the “Contactless” initialization screen (cf. 6_7).
F.42	Go to the “Deletion” screen (cf. 8_4).
F.43	Print the “Initialization” parameters (cf. 6_14).
F.44	Pinpad reader diagnosis (cf. 8_3)
F.48	Go to the “Telium Manager” screen (cf. 6).
F.49	Go to the “Bluetooth Association” screen (cf. 9_6_1).
F.50	Go to the “Beep On Key” screen (cf. 7_8).
F.51	Remote download IST (cf. 8_2)
F.52	Remote download IPP (cf. 8_2)
F.53	Pinpad emulation (cf. 7_10)
F.54	Go to the “PUK code” screen (cf. 7_2)
F.55	Go to the “Wifi profiles” screen (cf. 9_8)
F.56	Go to the “Wifi IP” screen (cf. 9_8_7)
F.57	Go to the “Bluetooth” screen (cf. 9_12)
F.58	Go to screen for the software information of hardware configuration on display (cf. 8_1_4_1).

11_2 List of the gateway numbers

Item	Reference
0	NO GATEWAY
32	NO X28
33	PAD X28 SSL
40	RFC1086
41	RFC1086 SSL
42	RFC1086+
43	RFC1086+ SSL
64	GIPX25 V2
65	GIPX25 V2 SSL
66	GIPX25 V1
67	GIPX25 V1 SSL

11_3 Call tree of Tellium Manager

- Consultation 8_1
  - State 8_1_1
  - Transaction 8_1_2
  - Call 8_1_3
  - Configuration 8_1_4
- Evolution 8_2
  - Load 8_2_1
    - Local
    - Extern
  - Remote Load 8_2_2
  - Pinpad
- Initialization 6
  - Parameters
    - Language 6_1
    - Date and time 6_2
    - Terminal Number 6_3
    - Currency 6_4
    - Switchboard 6_5
    - Pinpad 6_6
    - Contactless 6_7
    - Stripe Reader 6_8
    - Serial Number 6_9
    - Network Type 6_10
    - Fallback Network 6_11
    - Cash Connection 6_12
    - TMS Network 6_13
  - SIM Code 7_1
  - PUK Code 7_2
  - Default Conf. 7_3
  - Screen Saver 7_4
  - Password 7_5
  - Header 7_6
  - Footer 7_7
  - Beep On Key 7_8
  - Beep On Pincode 7_9
  - PINPAD Emulation 7_10
  - Hardware 9
    - Modem Setup 9_1
      - Output Level 9_1_1
      - Line Selection 9_1_2
      - Limited speed 9_1_3
      - Print 9_1_4
      - Save 9_1_5
      - Reload Setup 9_1_6
      - Default Setup 9_1_7
      - Number of days 9_1_10_1
      - Number of failure 9_1_10_2
      - Lookup Depth 9_1_10_3
      - Quit 9_1_8
      - Current Limiting 9_1_9
    - Ethernet Setup 9_2
      - Boot Proto 9_2_1
      - IP Address 9_2_2