DATAMARS

XTend Max Scanner

User Manual

Version 0.2

Contents:

1 DESCRIPTION 4

1.1 A DESCRIPTION OF THE XTEND MAX UNIVERSAL STICK SCANNER 4
1.2 SWITCH ON THE SCANNER 4
1.3 SWITCH OFF THE SCANNER 4
1.4 SCANNING A MICROCHIP 5
1.5 EFFECTIVE SCANNING 5
1.6 WHICH MICROCHIPS IS XTEND MAX ABLE TO READ 5

2 USER INTERFACE 5

2.1 KEYPAD 5
2.2 STICK ANTENNA 5
2.3 ON BUTTON 6
2.4 SELECT LEFT BUTTON 6
2.5 SELECT RIGHT BUTTON 6
2.6 STICK BUTTON 6

3 MENU MANAGEMENT 7

3.1 SETTINGS 7
3.1.1 Auto shutdown 7
3.1.2 Reading timeout 7
3.2 INFORMATION 7
3.3 DATE AND TIME 8
3.3.1 Available Formats 8
3.3.2 Setting The Date 8
3.3.3 Setting The Time 8
3.4 DISPLAY 8
3.4.1 Backlight Timeout 9
3.4.2 Brightness 9
3.4.3 Start-Up Image 9
3.5 AUDIO 9
3.5.1 Audio Level 9
3.5.2 Keyboard Sound 9
3.5.3 Start-Up Sound 10
3.5.4 Shut-Down Sound 10
3.5.5 Reading Sound 10

4 CONNECT YOUR XTEND MAX TO A PC 11

4.1 BASIC MODE 11
4.2 ADVANCED MODE 11
4.2.1 USB Mass Storage 11
4.2.2 USB Virtual Com Port 11
4.2.3 USB Keyboard Wedge 11
4.2.4 Bluetooth 11

5 BATTERY MANAGEMENT 12

5.1 BATTERY DISCHARGED / POWER LOW 12
5.2 BATTERY CHARGING 12
5.3 FULL POWER 12

6 TAKE CARE OF YOUR SCANNER 14

7 SPECIFICATIONS 15

8 SOFTMAX 16

9 INFORMATION TO USER 17

9.1 FCC PART 15 17

10 DO YOU HAVE A PROBLEM IDENTIFYING AN ANIMAL? 18

DRAFT

10.1 THE READING DISTANCE IS TOO SHORT 18
10.2 THE SCANNER DOES NOT READ THE TRANSPONDER 18
10.3 THE SCANNER DOES NOT WORK 18
11 ADVANCED MODE PACK 19
12 BLUETOOTH 20
12.1 TURN ON BLUETOOTH MODULE 20
12.2 CONNECTION CONDITION 20
12.3 PC BLUETOOTH MODULE CONFIGURATION 20
12.4 BLUETOOTH PAIRING WIZARD 21
12.5 BLUETOOTH COM PORT 23
13 CERTIFICATIONS 24
13.1 EUROPEAN DIRECTIVES 24
13.2 AMERICAN DIRECTIVES 24
14 END OF LIFE 25
14.1 DISASSEMBLY INSTRUCTIONS FOR XTEND MAX SCANNER 25
14.2 TOOLS REQUIRED 25
14.3 PRODUCT DISASSEMBLY PROCESS 25

DRAFT

1 Description

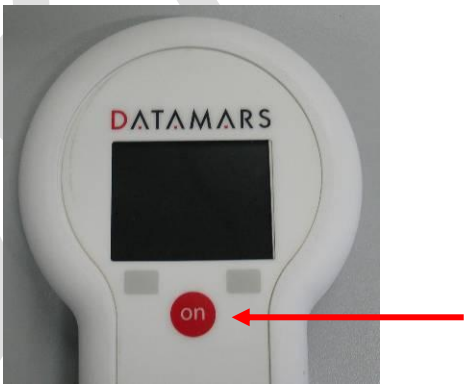
1.1 A description of the XTend Max universal stick scanner

Datamars' XTend Max is a portable, universal stick scanner used for scanning companion animal microchips.
It reads all prevalent microchips available in North America. It is ideal for scanning aggressive, stressed or feral animals without direct contact by placing added distance between you and the animal for added safety.
XTend Max is one piece, not an extension – so you do not have to keep track of any extras or figure out how to attach it to another device. XTend Max is bite proof, so it can also take a bit of abuse! It is ideal for field use, especially for animal shelters, rescues and animal control agencies.

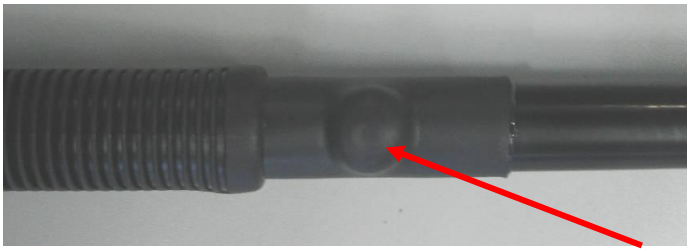
1.2 Switch on the scanner

There are two ways to turn on the XTend Max scanner:

- Press the red "On" button which is located in the center of the control panel:

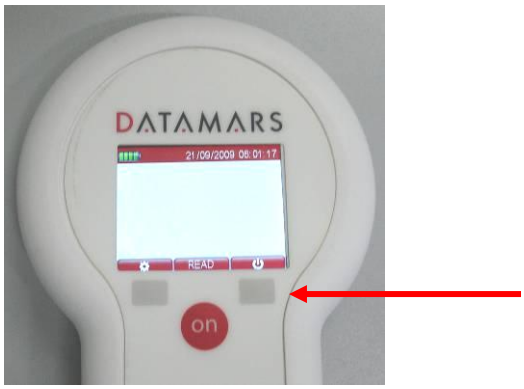


- Alternatively, you can press the black button at the base of the stick portion of the scanner:



1.3 Switch off the scanner

Press the right navigation button located on the control panel until the unit powers down:



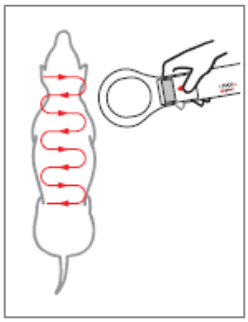
1.4 Scanning a microchip

Hold the XTend Max in close proximity to the animal to be scanned, and then press the red “On” button located on the control panel in order to start scanning. You can also press the grey button at the base of the stick to begin scanning.

XTend Max will give an audible sound and you will hear a “beep* when the scanner successfully detects a microchip.

To cancel or stop scanning, press the red “On” button located on the control panel, or the grey button at the base of the stick

1.5 Effective scanning



- Hold the scanner close to, or touching the animal
- Scan slowly and repeatedly over the entire body to ensure whether or not a microchip present
- Wave the scanner back and forth lightly while scanning, because microchips can be in various orientations within the animal
- Scan first in a horizontal, then a vertical “S” pattern down the animal’s body, as shown in the diagram below
- Consider scanning each animal more than once to ensure any present microchip can be localized by the scanner

1.6 Which microchips is XTend Max able to read

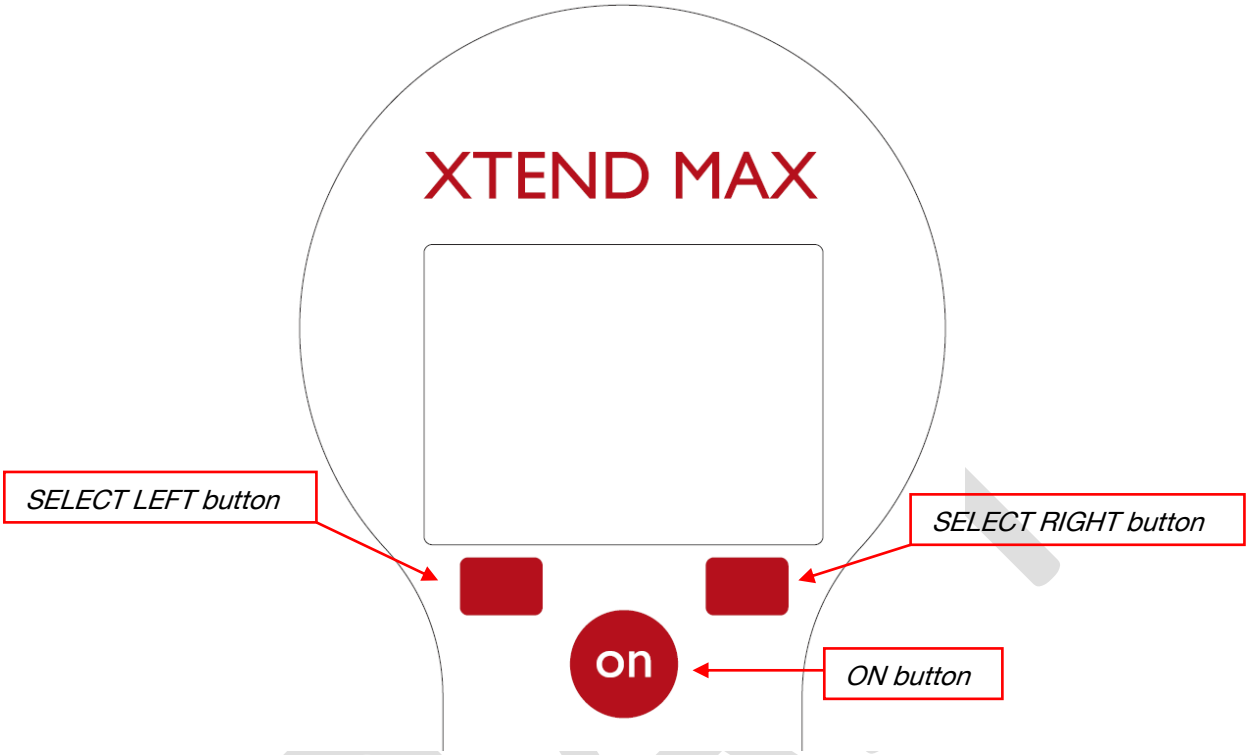
The XTend Max universal stick scanner can detect the following microchips:

- Microfinder Microchip
- PetLink™ Microchip
- 24 Pet Watch™ Microchip
- Allflex® Microchip
- Banfield® Microchip
- Destron Fearing™ Microchip
- HomeAgain® Microchip
- Schering Plough™ Microchip
- Datamars™ Microchip
- Bayer resQ® Microchip
- AKC CAR/EID™ Microchip
- Avid™ Microchip
- Crystal Tag Microchip
- Digital Angel® Microchip
- Lifechip® Microchip
- Trovan® Microchip

DRAFT

2 User interface

2.1 Keypad



2.2 Stick antenna

2.3 ON button

There is more than one possibility to use the ON button, in fact with him you are able to turn on the XTend Max scanner, and when the scanner is turned on you have the possibility to start and stop a reading session. Moreover when you are surfing in the menu the ON button is used to select and confirm the various available settings, the settings are described in later chapters of this manual.

2.4 SELECT LEFT button

For enter in the settings menu you have to be pressed the SELECT LEFT button. Another functionality of this button is the navigation into menu.

2.5 SELECT RIGHT button

In order to turn off the scanner you have to pressed the SELECT RIGHT button, but attention this function can be accessed only when the scanner has displayed the initial screen, and it don't is in the reading mode. In the settings menu you can also use this button only for two modes. The first is in order to change the value of a setting, and the second is for exit from menu.

2.6 STICK button

The STICK button has only two functions, you have to be pressed this button in order to turn on the scanner, or for start a reading session.

DRAFT

3 Menu management

A number of different settings can be customized to the user's preference.
Press the SELECT LEFT button from the scanner's control panel in order to open the settings menu.
Press the SELECT RIGHT button from the scanner's control panel in order to exit the settings menu.

3.1 Settings

Setup Icon

- Continue to press SELECT LEFT button until the green selection is on the setup icon, and then press the ON button in the center of the control panel to confirm your selection.
- You can continue to scroll using the directional navigation arrows; the blue highlight indicates a given selection; confirm you selections by pressing the ON button in the center of the control panel.
- Continue to follow the instructions below for more information on the available settings.
- Once you are done, press the SELECT RIGHT button from scanner's control panel to exit the setup menu.

3.1.1 Auto shutdown

The auto shutdown setting defines the maximum amount time that the scanner remains powered on while inactive before automatically switching off. This helps to conserve the battery life. The following values are available:

- Default: 60 sec. (1 min)
- Maximum: 240 sec. (4 min)
- Minimum: 10 sec.

3.1.2 Reading timeout

The reading timeout setting defines the maximum amount of time that the scanner will stay in reading mode to try detect a microchip once a scan has been initiated. The following values are available:

- Default: 30 sec.
- Maximum: 60 sec. (1 min)
- Minimum: 1 sec.

3.2 Information

Info Icon

The user can determine which version of Xtend Max they are using, which firmware version is loaded and other important information as follows:

- Press the left navigation button from scanner's control panel to open the menu.
- Continue to press the left navigation button until the green selection is on the Information icon, and then press the red "On" button in the center of the control panel to confirm your selection.

DRAFT

3.3 Date and Time

Date & Time Icon

The Date & Time setting allows you to adjust the date and the time, as well as the date format.

- Press the left navigation button from scanner's control panel to open the menu.
- Continue to press the left navigation button until the green selection is on the Date & Time icon, and then press the red "On" button in the center of the control panel to confirm your selection.
- You can continue to scroll using the directional navigation arrows; the blue highlight indicates a given selection; confirm your selections by pressing the red "On" button in the center of the control panel.
- Once you are done, press the right navigation button from scanner's control panel to exit the Date & Time menu.

3.3.1 Available Formats

The available formats are:

- Europe & Canada: Day before the month.
- USA: Month before the day.

3.3.2 Setting The Date

Pressing the right navigation button will allow you to increase or decrease the value; you must press the right button for an additional second in order to change the input method, then, once you are done press the left navigation button and pass forward to modify the day and year using the same procedure, once you are done press the red "On" button in the center of the control panel to save your changes and exit this menu.

3.3.3 Setting The Time

Pressing the right navigation button will allow you to increase or decrease the time value (four digits in total, e.g. 14:53). The system is a 24-hour clock. By pressing the left navigation button, you pass from one digit to the other to set hours and minutes. Continue in this fashion, then once you are done press the red "On" button in the center of the control panel to save your changes and exit this menu.

3.4 Display

Display Icon

The Display setting allows you to adjust the display. Access the Display menu as follows:

- Press the left navigation button from scanner's control panel to open the menu.
- Continue to press the left navigation button until the green selection is on the Display icon, and then press the red "On" button in the center of the control panel to confirm your selection.
- You can continue to scroll using the directional navigation arrows; the blue highlight indicates a given selection; confirm your selections by pressing the red "On" button in the center of the control panel.
- Once you are done, press the right navigation button from scanner's control panel to exit the Display menu.

DRAFT

3.4.1 Backlight Timeout

The Backlight Timeout defines the maximum amount of time that the display remains on while the unit is inactive. The following values are available:

- Default: 40 sec.
- Maximum: 60 sec. (1 min.)
- Minimum: 1 sec.

3.4.2 Brightness

Brightness defines the level of the brightness of the display. The following values are available:

- LOW – this will be the dimmest setting
- MID – this is a medium setting and is suitable for most environments
- HIGH – this is the brightest setting, and should be used in environments with low amounts of available light

3.4.3 Start-Up Image

The Start-Up Image defines whether or not to display the FoundAnimals logo while the scanner is switching on. When the feature is OFF, the image is disabled and will not display. When ON, the image is enabled and will display.

3.5 Audio

Audio Icon

The Audio setting allows you to adjust the sounds made by Xtend Max.

Access the Audio menu as follows:

- Press the left navigation button from scanner's control panel to open the menu.
- Continue to press the left navigation button until the green selection is on the Audio icon, and then press the red "On" button in the center of the control panel to confirm your selection.
- You can continue to scroll using the directional navigation arrows; the blue highlight indicates a given selection; confirm your selections by pressing the red "On" button in the center of the control panel.
- Once you are done, press the right navigation button from scanner's control panel to exit the Audio menu.

3.5.1 Audio Level

The audio level sets the volume of Xtend Max's audio signals. The following values are available:

- OFF – the sound is completely disabled for all audio settings
- LOW – this setting should be used in quiet environments or where animals are often scared by ambient sounds
- MID – this is a medium setting and is suitable for most environments
- HIGH – this setting should be used in very noisy environments

3.5.2 Keyboard Sound

Keyboard sound will enable or disable the audio signal given when a button is pressed. When the feature is set to OFF, the sound is disabled and will not be heard. When it is ON, the sound is enabled and will be heard.

DRAFT

3.5.3 Start-Up Sound

Start-up sound enables or disables the audio signal given when the scanner is powered on. When the feature is set to OFF, the sound is disabled and will not be heard. When it is ON, the sound is enabled and will be heard.

3.5.4 Shut-Down Sound

Shut-down sound enables or disables the audio signal given when the scanner is powered down. When the feature is set to OFF, the sound is disabled and will not be heard. When it is ON, the sound is enabled and will be heard.

3.5.5 Reading Sound

Reading sound enables or disables the audio signal given when the scanner detects a microchip after a successful reading. When the feature is set to OFF, the sound is disabled and will not be heard. When it is ON, the sound is enabled and will be heard. Datamars recommends leaving this set to ON so that users are alerted to successful or unsuccessful microchips readings.

DRAFT

4 Connect your XTend Max to a PC

4.1 Basic Mode

When the scanner is configured as basic mode you are able to use the PC for three functionality, the first is for recharge the battery from the scanner; and with the second you are able to connect it to the Softmax in order to have the possibility to update the version of the firmware, or for upgrade the level of the reader with charging new functionality.
The last possibility is to use the USB of the scanner as a Mass Storage, this way you have the possibility to use the scanner same as a USB storage pen.

4.2 Advanced Mode

When your scanner is configured as advanced mode and you have the USB pack, you have possibility to communicate with the PC as following:

- All functionality from the basic mode (USB MS)
- Additional you have also the USB Virtual Com Port (USB VCP)
- Additional you have also the USB Keyboard Wedge (USB KW)

When you have also the Bluetooth pack you can also communicate with the PC with a serial protocol means the Bluetooth module of your scanner. If you do not have a BT module on your scanner, you have to be sent the scanner by our repair center. For more info you can contact our Service & Support team at animal-id@datamars.com.

4.2.1 USB Mass Storage

With this function you are able to connect the scanner to the PC in order to have it same as a USB storage pen.
Although with using the Softmax you have the possibility to update the scanner with new functionality or update the official firmware. In dependence of the advanced pack in your possess you can benefit other functionality with using Softmax.
Always when you connect the scanner to the PC, the battery will be go in charging mode, but in this state you cannot use the scanner for reading sessions.

4.2.2 USB Virtual Com Port

This function allows communicating with the PC as with a serial cable, but you do not need a RS232 serial cable.
Also with this functionality when connected to the PC will be charging the battery of the scanner, with the difference respect the USB Mass Storage you can use the scanner also for reading sessions.

4.2.3 USB Keyboard Wedge

This function allows using the scanner as a keyboard, in order to print in your database the UI just read.
Also with this functionality when connected to the PC will be charging the battery of the scanner, with the difference respect the USB Mass Storage you can use the scanner also for reading sessions.

4.2.4 Bluetooth

This function allows communicating with the PC as with a serial cable, but you do not need a RS232 serial cable. But you need a PC with a BT module.

DRAFT

5 Battery management

Xtend Max can be charged in two ways. You can connect the USB cable to the wall-mounted adapter or you can connect the USB cable to a USB port on your Windows PC.

When the Xtend Max Scanner is in charging mode, the scanner functions are disabled.

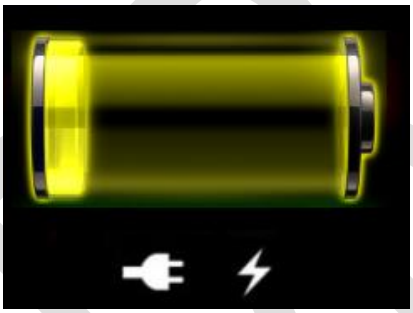
5.1 Battery Discharged / Power Low

If you try to initiate a scan when the unit's battery has almost fully discharged, the unit will automatically shut off and the following image will appear:

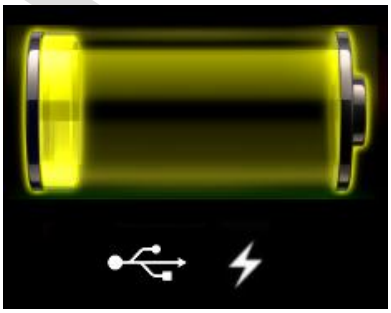
Please connect Xtend Max to a power source for charging.

5.2 Battery Charging

The following image will appear when the battery power is low but the unit is plugged in and the battery is charging.



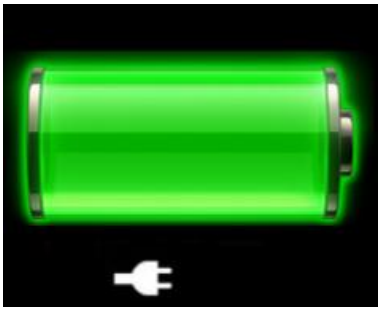
Indicates unit is plugged into the wall

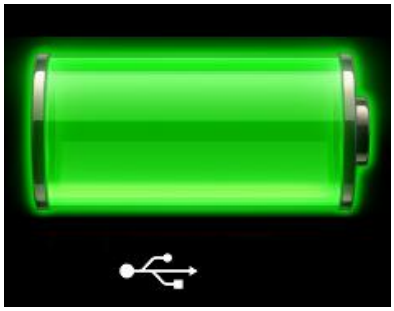


Indicates unit is plugged in via USB

5.3 Full Power

While still plugged into a power source, Xtend Max will display one of the following images when fully charged.





DRAFT

Indicates unit is plugged into the wall

Indicates unit is plugged in via USB

DRAFT

6 Take care of your scanner

Ensure that the scanner does not get damaged. Do not drop it onto a hard surface or subject it to wet conditions.

If the outer casing of the scanner becomes soiled, it can be cleaned with a damp cloth. First ensure that it is not connected to the charger.

If for any reason the scanner is not working, please do not attempt to repair it, but return it for repair to your local dealer.

The display of the scanner Xtend Max may change color if exposed to temperatures higher than 50°C. It will return to its original color as soon as the temperature gets below 50°C.

At very low temperatures the display may lose its contrast, but at normal temperatures it will return to its normal contrast.

DRAFT

7 Specifications

7.1 Customer benefits

- 100% water-proof
- Good reading performance for all types of Animal ID tags
- Highly versatile and easy to handle in outdoor as indoor conditions
- Possibility to transfer data on the fly through Bluetooth wireless connection and USB wire connection
- User memory available up to 2GB
- User-friendly TFT LCD color display with backlight and high-quality integrated loudspeaker
- Highly flexible dedicated application software "SoftMax" (MS Windows compatible)
- Easy battery recharging through USB cable connected to PC or wall mount adapter

7.2 Product description

Datamars' XTend Max is a portable, universal stick scanner used for scanning companion animal microchips.
It reads all prevalent microchips available in North America. It is ideal for scanning aggressive, stressed or feral animals without direct contact by placing added distance between you and the animal for added safety.
XTend Max is one piece, not an extension – so you do not have to keep track of any extras or figure out how to attach it to another device. XTend Max is bite proof, so it can also take a bit of abuse! It is ideal for field use, especially for animal shelters, rescues and animal control agencies.

7.3 Technical data

- Dimensions: 223 x 108 x 41 mm
- Weight: 326 g
- Operating temperature: -5°C to +55°C, 85% RH, non-condensing
- Storage temperature: -20°C to +65°, 85% RH, non-condensing
- Power supply: Rechargeable battery (Li-Polymer) : 3.7V / 2500mAh
  USB cable included for communication and battery charging
  Battery charger adapter AC power source US
- Interface: USB (Basic Mode); USB, Bluetooth (Advanced Mode)
- Transmission frequency: 134.2 kHz
- Memory: 2 GByte (≥ 2 million of records)
- Typical reading distance:
  FDX-B Up to xx cm
  FDX-A Up to xx cm
  TVN Up to xx cm
  Destron Up to xx cm
- Approved by: CE, FCC (more details)
- Environment protection: IP67 (EN 60529)

DRAFT

8 Softmax

DRAFT

9 Information to user

9.1 FCC Part 15

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) This device must accept any interference received, including interference that may cause undesired operation.

This equipment has been tested and found to comply with the limits for Class B Digital Device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures.

- Reorient or relocate the receiving antenna
- Increase the separation between the equipment and receiver
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected
- Consult the dealer or an experienced radio/TV technician for help

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Attention: The final product must have the ferrite fixed permanently to the power supply cable.

9.2 IC RSS 210

This device complies with Industry Canada license-exempt RSS standard(s). Operation is subject to the following two conditions:
(1) This device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes:
(1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

DRAFT

Do you have a problem identifying an animal?

9.3 The reading distance is too short

The maximum reading distance is obtained with the transponder (tag) perpendicular to the antenna and aimed at the center of the antenna coil. If the tag is implanted into an animal its orientation may not be optimal and therefore the reading distance may be reduced.

You might be close to a source of electromagnetic disturbances like video or TV. Move a few meters away and try again.

Do not use the scanner on a steel table. The metal will reduce the performance of the antenna.

The reading distance is reduced if the transponder is still in the needle.

9.4 The scanner does not read the transponder

Change the angle of the scanner and try again.

Some types of transponders from other manufacturers are disturbed if placed in the center of the scanner-antenna. It is possible that some tags will not function if placed in parallel and at the center of the antenna. Change the direction of the tag or of the antenna.

9.5 The scanner does not work

Check the ambient temperature: it has to be between -5°C and +45° C.

If you're still having problems, please contact your dealer.

The Xtend Max scanner is a product developed and produced by DATAMARS, Switzerland.

Should you have any suggestions or require information regarding this or other DATAMARS products, please contact your dealer.

DRAFT

10 Advanced Mode Pack

DRAFT

11 Bluetooth

In order to use the functionality explained below you have to be sure that your scanner has the Bluetooth pack. The pack is composed about a physical Bluetooth module into the scanner and equipped with a dedicated firmware.

11.1 Turn ON Bluetooth module

Press the right Select button in order to open the action menu, move the left Select button as long as you are with the cursor over the Bluetooth icon. Then On button has to be pressed in order to activate the Bluetooth module on the scanner. In the bar on top of the reader will be appear the symbol of the Bluetooth. When the On button are pressed again you turn off the Bluetooth module, and the icon over the bar disappear.

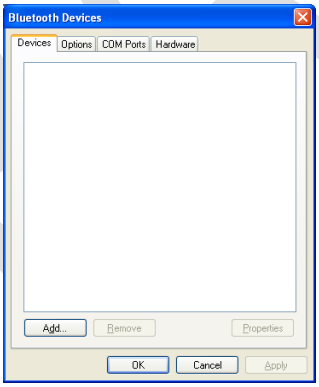
11.2 Connection condition

At first your PC must to be having a Bluetooth connection, generally all laptops or notepads are equipped with an internal Bluetooth module. For the workstations, that normally not have a Bluetooth device, are available USB Bluetooth module, that can you find in all electronic device shop.
Then it is important that the Xtend Max Scanner is ON and the BT module is activated.

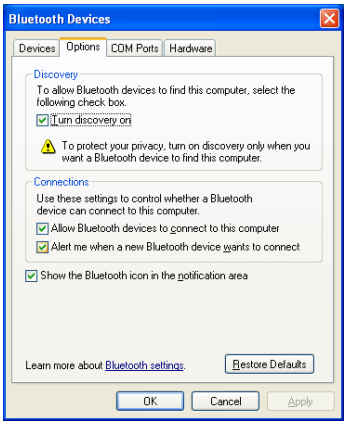
11.3 PC Bluetooth module configuration

In this chapter is explained the how you can pair your scanner with a PC in order to establish a wireless connection between the scanner and the PC.

At first from the control panel choose *Bluetooth Device*. The following dialog windows will be appears:

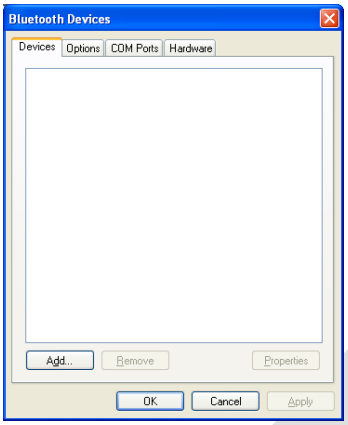


At next select the *Option* tab, and then check the feature *Turn discovery on*, as shown in the following picture:



DRAFT

Return to the start page of the dialog window with pressing the *Device* tap, as shown in the following picture:

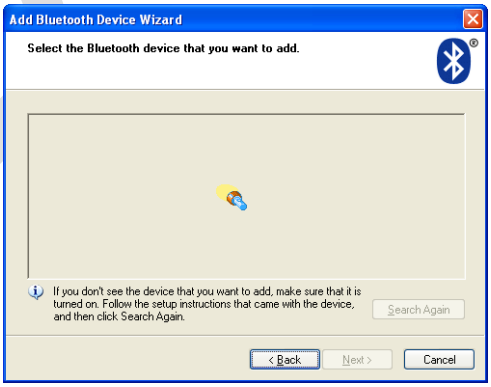


Double check that the Xtend Max Scanner is switched ON and the Bluetooth enabled, and then press the *Add…* button on the bottom of the dialog window.

11.4 Bluetooth Pairing Wizard

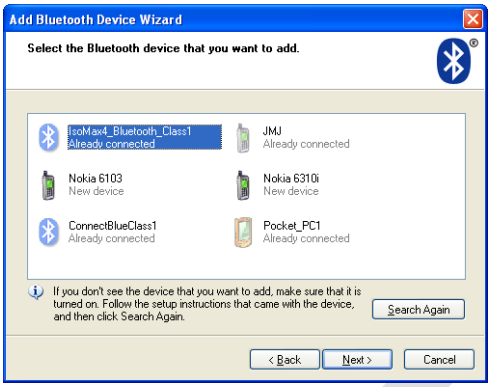
The welcome window for the configuration guide of the new Bluetooth peripheral appears, as shown in the following picture:

Press the *Next >* button on the bottom of the window, in order to start the search procedure, it will be appearing following dialog window:

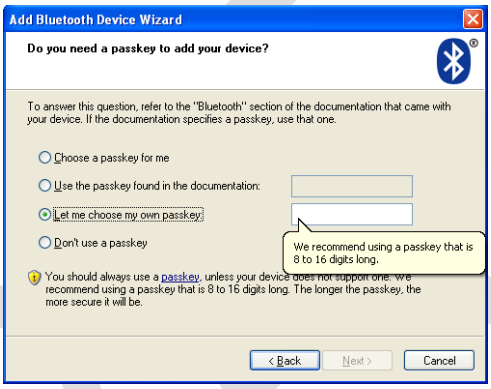


The result of the search procedure shows all Bluetooth device which are nearby, you have to be search and select the device that are named as *XtendMax_Sxxx*.
If you do not find the device you have to be pressed the *Search Again* button, because it is possible that the PC module do not find the device at the first attempt.

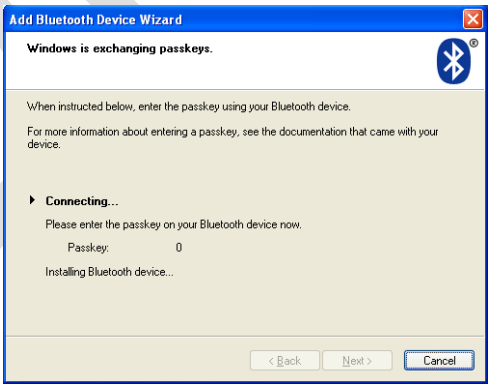
After the selection of the device you have to be pressed the *Next >* button, as shown in the following picture:



Select the option: *Let me choose my own passkey* and the password is 0. This is for all Datamars scanners the same, just one 0 characters, and then press the *Next >* button to continue, as shown in the following picture:



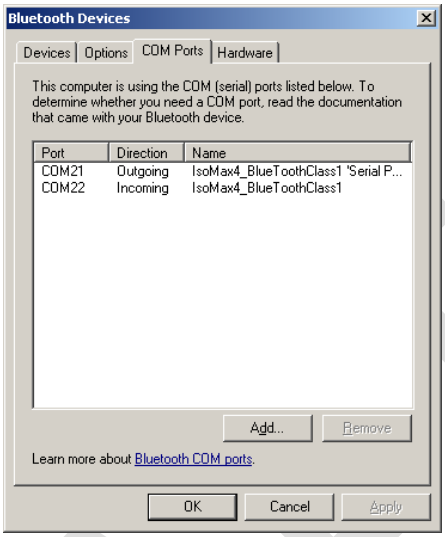
The connecting window will be appear, sometimes is it possible that this operation do not go at the first attempt. This is related of the compatibility of the two Bluetooth module, scanner and PC, but after a second or third try it will be working correctly. In order to start again the pairing press the *Start Again* button on the bottom of the windows.



When the procedure is finished your device is recognized and installed in your PC as a Bluetooth device. In order to end the installation of the Bluetooth device press the *Finish* button on the bottom of the window.

11.5 Bluetooth COM Port

The installation of the Bluetooth module will be creating on the PC two new COM Ports, in order to see this new ports you have to be selected the *COM Ports* tab.
You find listed all port for your new Bluetooth device, one is an outgoing and the other is an incoming port, as shown in the following picture:



You have to be selected the outgoing COM when you will use the Xtend Max in the server mode. With the server mode you have a faster first connection to the PC Bluetooth application, but when you turn off the Bluetooth from the scanner or you lost the connection. You have to be restarting the Bluetooth application on your PC in order to reconnect the scanner.

You have to be selected the incoming COM when you will use the Xtend Max in the client mode.
The connection to the PC Bluetooth application is slower, but when you lost the connection and you reconnect the scanner to the PC you do not have problems and you do not do restart the application.

DRAFT

12 Certifications

12.1 European directives

Datamars SA, Via ai Prati, CH-6930 Bedano declares, under its own responsibility, that the product Xtend Max is in accordance with the following standards:

ETSI EN 300 330-1 / ETSI EN 300 330-2	Electromagnetic compatibility and Radio spectrum matters (ERM) - Short Range Devices.
ETSI EN 301 489-1 / ETSI EN 301 489-3	Electromagnetic compatibility (EMC) standard for radio equipment and services.
IEC/EN 61000-4-2 / IEC/EN 61000-4-3/ IEC/EN 61000-4-4/ IEC/EN 61000-4-6	Electrostatic discharge, electromagnetic field, electrical fast transient/burst, radio-frequency fields' immunity.

Xtend Max satisfies the essential requirements of directives 99/5/EC.

12.2 American directives

Datamars SA, Via ai Prati, CH-6930 Bedano declares, under its own responsibility, that the product Xtend Max is in accordance with the following standards:

FCC Part 15B	Part 15 Class B Computing Device Perioheral
FCC Part 15C	Part 15 Low Power Transmitter Below 1705 kHz

DRAFT

13 End of life

13.1 Disassembly Instructions for Xtend Max scanner

Product Name / Model	Description
Extend Max / Any models	Universal portable scanner

Only **authorized recyclers** are permitted to use these disassembly instructions. Any attempted disassembly by a user or unauthorized party will void the product warranty and may irreparably damage the product.

13.2 Tools Required

Tool Description	Tool Size (if applicable)
Nipper	Medium
Philips screwdriver (0)	Small
Cutter pliers	Medium
Hot Air Gun	Big

13.3 Product Disassembly Process

1	• All external plastics have to be removed from the scanner (use Philips screwdriver to remove all screws). • The Keypad has to be removed from the top cover casing (use the Hot Air Gun with the cutter pliers in order to easily remove the keypad).	
2	Dispose plastic parts of the scanner in accordance with local recycling laws.	
3	Dispose electronics parts of the scanner in accordance with local recycling laws.	
4	Dispose cables of the scanner in accordance with local recycling laws.	

DRAFT