

Operating Manual

NJT: Expert900 Install. & Initial Setup



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Table of Contents

1	Refe	rence Do	ocuments	4
2	FCC	Authoriz	ation & Rules	5
3	Over	view		6
	3.1	Basic S	teps	6
4	Insta	llation		7
	4.1	Setup C	Conditions	7
	4.2	Minimu	m Clearance Requirements	7
	4.3	Recom	mendations for the Installation of the Pedestal	10
	4.4	Installat	tion of TVM onto the Pedestal	11
		4.4.1	Description of the Attachment of the TVM to the Pedestal	11
		4.4.2	Installation with Lifting Device	13
		4.4.3	Installation Manually.	17
	4.5	Installat	tion of EFT – PoS Card Processing	22
	4.6	Connec	ting the TVM to the Mains	23
		4.6.1	Power Requirements	23
		4.6.2	Procedure	24
	4.7	Connec	ting the TVM to the Network	27
		4.7.1	Network Connection with Shielded Cable Connection	27
		4.7.2	Network Connection with Unshielded Cable Connection	
5	Initia	l Start-u	р	29
	5.1	Overvie	w	29
	5.2	Require	ements	29
	5.3	Special	tools	
	5.4	Starting	up the TVM	
		5.4.1	Remove Packaging Material and Transport Security Locks	
		5.4.2	Software Installation	
		5.4.3	Terminal Initialization	31
		5.4.4	Load Paper (Ticket Media)	
		5.4.5	Inspecting Coin Vault, Banknote Vault & BUCOs	
		5.4.6	Initializing the Printer System	37
		5.4.7	Initializing the Coin Processing System	40
		5.4.8	Fill the Coin Drums of the Coin Processing System	41
		5.4.9	Initializing the Banknote Verifier	44
		5.4.10	Initializing the Card Handling Module (option)	46
		5.4.11	Commissioning of the EFT-PoS Card Processing	47
		5.4.12	Initializing the Sales Application	47



1 Reference Documents

Document number	Document Title
10-000-004-582 E00	Safety Instructions
10-000-004-711 E01	NJT: Expert900 System Description
10-000-004-711 E02	NJT: Expert900 Routine Jobs
10-000-004-711 E03	NJT: Expert900 Maintenance Jobs
10-000-004-711 E04	NJT: Expert900 Replacing Modules
10-000-004-711 E05	NJT: Expert900 Error Codes



2 FCC Authorization & Rules



This TVM (Ticket vending machine) complies to the standards and regulations of the FCC (Federal Communications Commission, USA).

Read through following statements to get familiar with the FCC regulations:

Statement Required by 15.19 and RSS210

This TVM complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

- this TVM may not cause harmful interference, and
- this TVM must accept any interference received, including interference that may cause undesired operation.

Statement Required by 15.2

⚠ Important Note

Changes or modifications made to this TVM not expressly approved by ACS USA may void the FCC authorization to operate this TVM.

M Important Note: FCC Radiation Exposure Statement

This TVM complies with FCC radiation exposure limits set forth for an uncontrolled environment. This TVM should be installed and operated with minimum distance of 20cm between the radiator and your body. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.



3 Overview

The following document describes the steps for the initial installation and initialization of the unit.

3.1 Basic Steps

The following are the principle steps in installing a TVM and starting it up for the first time:

- 1 Check the shipment to make sure it is complete.
- 2 Prepare the area where the TVM is to be installed; drill holes for anchor rods, mount anchor rods
- 3 Anchor pedestal at the location where the TVM is to be installed.
- 4 Install the TVM onto the pedestal.
- 5 Install the EFT-PoS terminal (if not installed already)
- 6 Hook up power supply and network cables.
- 7 Load ticket media and insert cash vaults and BUCOs.
- 8 Turn on the TVM; initialize the TVM.



Installation 4

Setup Conditions 4.1



Please note

Always observe local safety precautions and those of the railway or bus company in question.

- Do not expose TVM to direct sunlight. •
- Space requirements for installation of the pedestal: $900 \text{mm} \times 450 \text{mm}$. •
- The TVM must be situated on a flat, level concrete floor with surface irregularities not exceeding 1 mm.
- Do not locate the TVM near emergency escape routes. •

Minimum Clearance Requirements 4.2

Maintenance requirements call for the following minimum clearance between TVMs installed next to one another.

- At least 85 mm between two TVM •
- At least 5 mm between any wall and the rear of the TVM •
- At least 270 mm between the TVM and any wall to its left. •





Figure 1: Top view: Minimum clearance requirements





Figure 1: Dimensions TVM



4.3 Recommendations for the Installation of the Pedestal

Mechanical Stability

The pedestal mountings must remain mechanically stable under the following loads: stress = 5500N, strain = 2000N (forces measured at each mounting point).

Recommended Mounting Fixtures

The installation accessories shipped along with the TVM only include the mounting fixtures required for mounting the TVM/AVM onto the pedestal.

Hilti AG anchor rods (model HAS-E-F-M16 \times 260/108) and adhesive capsule anchors (model HVU M16 \times 125) have become the standard fixtures for anchoring the pedestal at the installation site. These anchoring fixtures can be obtained worldwide from Hilti AG. Additional information is available online at <u>www.hilti.com</u>, where you will also find the appropriate instructions for use.

Installation Requirements

- The power cable and network cable must be ready for connection and properly installed in the concrete base.
- Up-to-date instructions for mounting anchor rods should be on hand from the rod manufacturer.

Special Tools

• Key for the pedestal door (if lock is present)

Procedure



Make certain that all of the cables you will be handling have been disconnected from any source of electricity and that they remain so during installation.

- 1 Check to make sure that the location for the TVM is level and clean.
- 2 Drill holes for the anchor rods according to instructions and tables provided by the manufacturer of the anchoring fixtures.Please note that, once installed, the anchor rod must extend out of the floor by at least 50 mm (max. 80mm):





Figure 2: Pedestal anchoring

- 3 Secure the anchor rods according to instructions and tables provided by the anchor rod manufacturer.
- 4 Bolt the pedestal at each mounting point using M16 nuts and M16 washers, taking care to avoid exceeding the maximum allowable torque for the anchor rods.

The pedestal is now fully installed.

4.4 Installation of TVM onto the Pedestal

Do not scoot the TVM across rough surfaces, as this could potentially destroy the surface coatings of the cabinet.

Instead, lower the TVM onto the pedestal in stages using hardwood blocks as described in this section.

4.4.1 Description of the Attachment of the TVM to the Pedestal

The properly installed TVM actually sits on the rubber supports of the nivelling set and not directly on the pedestal, see Figure 3 on page 12.

The rubber supports acts as shock absorber.





Figure 3: Cross-section of the Attachment

No.	Description
1	TVM
2	Pedestal
3	M16×60 mounting bolt
4	17/30×30 washer
5	Rubber washer
6	M12×60 leveling screw
7	Metal support
8	Rubber support: forms the nivelling plate together with
	metal support of pos 7
9	Welded nut (on holes drilled in the pedestal)



Make sure that there must be a gap between the TVM and pedestal of at least 2mm.





Figure 4: Attachment TVM to Pedestal upon completion

4.4.2 Installation with Lifting Device

Requirements

• The pedestal must be fully installed (with the electric and network cables installed in the pedestal).

Special tools

- Door keys
- Pedestal door key (if necessary)
- Lifting device to lift the TVM up to base height:



• Support plates, 2pcs, order number 851.9763/01 (not part of the delivery)



Procedure



Until it is fully installed, the TVM will tip over when the door is opened, potentially crushing anyone it falls on.

All operations should be performed, if at all possible, with the door closed. If this is not feasible, the TVM must be secured so that it cannot tip over.

Danger! – Risk of electric shock!

Make certain that all cables have been disconnected from any source of electricity and that they remain so while working on the TVM.

1 Move the TVM, which sits on its skid on the platform, in front of the installed pedestal:



TVM must be secured so that it cannot tip over.

- 2 Make sure that somebody holds the TVM to protect it from falling over. Open only now the door.
- 3 Remove the screws that hold the unit to the skid.
- 4 Close the TVM door again.
- 5 Put support plates onto the pedestal:





6 Lift the TVM up to pedestal height:



7 Slide the TVM over the wooden blocks onto the pedestal and align it to the pedestal:



8 Set nivelling plates (consisting of the metal support, pos7, and rubber support, pos 8, in Figure 3 on page 12) in the appropriate places on the base by each mounting hole:





Figure 5: Arrangement of the nivelling plates

Warning! – TVM might tip if not properly secured! TVM must be secured so that it cannot tip over.

- **9** Open door. Lift door upwards in front and hold it until unit is secured (point 10). Lock door in place with horizontal door lever to prevent closing of door.
- 10 Insert washers, rubber washer and mounting bolts into the two back holes of the TVM as shown in Figure 3 on page 12. Tighten them slightly to ensure that the TVM cannot tip over anymore.
- 11 Install the mounting bolts in the front in the same way.
- 12 Install all 4 leveling screws provisionally.
- 13 Push TVM top left and top right to remove the wooden blocks as illustrated in the next 3 figures:







- 14 Tighten leveling screws so far down until the TVM stays approximately 2 mm off the pedestal (see Figure 3 on page 12). You can also level the TVM slightly with these screws.
- 15 Tighten the mounting bolts properly down. End.

4.4.3 Installation Manually

If there is no lifting device present or if such a device cannot be used due to a shortage of place, the manual installation must be applied.

Requirements

- The pedestal must be fully installed (with the electric and network cables installed in the pedestal).
- Before starting with the manual installation, the TVM should be positioned in front of the installed pedestal:



Special tools

• Door key



- Pedestal door key
- Wood blocks to support the skid while lifting the unit to its appropriate height manually.

Procedure

Warning! – TVM might tip if not properly secured!

Until it is fully installed, the TVM will tip over when the door is opened, potentially crushing anyone it falls on.

All operations should be performed, if at all possible, with the door closed. If this is not feasible, the TVM must be secured so that it cannot tip over.

Danger! – Risk of electric shock!

Make certain that all cables have been disconnected from any source of electricity and that they remain so while working on the TVM.

(i) Note:

Do not unscrew TVM from skid prior to this procedure!

1 Tip TVM over to the left (2 persons left hand side one person right hand side) and insert a skid wide wooden block (half size skid also possible):



2 Repeat the previous step from the right hand side and bring the TVM to the same level as the height of the pedestal:





3 Put two pieces of wood of about 4 cm height onto the pedestal:



4 Apply the previous steps again to insert a piece of wood to bring the TVM up to the same level as the pieces of wood (4cm above pedestal) as illustrated in next two figures:



(i) Note:

The steps for lifting the TVM can be increased using smaller pieces of wood!

- 5 Make sure that somebody holds the TVM to protect it from falling over. Open only now the door.
- 6 Remove the screws that hold the unit to the skid.
- 7 Close and lock door of the TVM.
- 8 Slide TVM onto the pedestal:



9 Set nivelling plates (consisting of the metal support, pos7, and rubber support, pos 8, in Figure 3 on page 12) in the appropriate places on the base by each mounting hole according to Figure 5 on page 16.



- 10 Open door. Lift door upwards in front and hold it until unit is secured (point 10). Lock door in place with horizontal door lever to prevent closing of door.
- 11 Insert washers, rubber washer and mounting bolts into the two back holes of the TVM as shown in Figure 3 on page 12.Tighten them slightly to ensure that the TVM cannot tip over anymore.
- 12 Install the mounting bolts in the front in the same way.
- 13 Install all 4 leveling screws provisionally.
- 14 Push TVM top left and top right to remove the wooden blocks as illustrated in the next 3 figures:





- 15 Tighten leveling screws so far down until the TVM stays approximately 2 mm off the pedestal (see Figure 3 on page 12). You can also level the TVM slightly with these screws.
- 16 Tighten the mounting bolts properly down. End.



Warning! – TVM might tip over if not properly secured!

Until it is fully installed, the TVM will tip over when the door is opened, potentially crushing anyone it falls on.

All operations should be performed, if at all possible, with the door closed. If this is not feasible, the TVM must be secured so that it cannot tip over.

17 Criteria for determining if TVM is level:

- Door should open easily. Plug-in units for modules such as the banknote acceptor should be easy to activate.

– There should be at least 2mm of clearance between the TVM and the pedestal.

The physical installation of the TVM is now complete. End.

4.5 Installation of EFT – PoS Card Processing

Not delivered by ACS Solutions Switzerland Ltd. but preinstalled by ACS.



4.6 Connecting the TVM to the Mains

4.6.1 *Power Requirements*

- AC input: 115V (93V–132V)
- Frequency: 60Hz (47–63)
- Power consumption
 - without heating: < 2.8A
 - with heating: 12A
- The TVM supply line has to be fused with a 20A fuse
- 5 seconds power interruptions support.
- Communication: The TVM offers one Ethernet 10baseT / 100baseTx interface. For the Ethernet lines from a TVM to the next network equipment shielded cables are required.

(i)_{Note:}

Installation must be done according to national installation requirements. ACS Solutions Switzerland Ltd. does not design, install and maintain the LAN on which the TVM is connected.



4.6.2 Procedure

1 Make certain that the main switch on the TVM is in the off ('0') position.



Make certain that all of the cables you will be handling have been disconnected from any source of electricity and that they remain so during installation.

- 2 Remove the insulation from the power cable to about 8 mm.
- 3 Open the cover and connect the cable to the terminal as shown in Figure 6, making sure that the polarity is correct.



The TVM must be grounded to earth with a minimum cross-section of AWG12 (4 mm^2). Choose the power cord accordingly.

4 Use cable fasteners to provide strain relief.





Figure 6: Cable layout for individual TVM

No.	Description
1	Power cord: 3×AWG12 (3×4mm ² maximum) insulation removed to 8mm
2	Cable fastener e.g. – small BT1M-M 2.4×92mm Thomas&Belts (918.0551) – large TY25M 4.8×186mm Thomas&Belts (918.0552) Cable fastener Mounting plate for cable fastener, e.g.
	 small TC-140 Thomas&Belts (918.0551) large TC-141 Thomas&Belts (918.0562)
3	Overvoltage protection (varistor)
4	Cover
5	to circuit-breaker
6	to GFCI service plug
7	M4-ground connection
8	M6-ground connection
9	M10-ground connection



- 5 Make sure that there is a ground cable connecting the pedestal with the TVM housing; connect it to pos 7, 8 or 9 in Figure 6.
- 6 Connect the special track ground cable to the intended ground connection in the TVM:



The TVM is now fully connected to the mains. End.



4.7 Connecting the TVM to the Network

4.7.1 Network Connection with Shielded Cable Connection

Procedure

- 1 Insert the network cable connecter into the open input port of the modular coupler.
- 2 Use the recommended cable fastener to provide strain relief.



Figure 7: Network connection with shielded cable connection

Pos.	Description
1	Connector including wiring with max. AWG 26-14 (e.g. WAGO CageClamp Part No 231-306/026-000
2	To MODEM – dial up
3	Shielded cable fixed with EMC-approved fastening-element (e.g. 918.0547 for shielded diameter 5mm) Before fastening remove isolating material down to shield
4	Cable-signal: solid conductor or flex cord



End.

4.7.2 Network Connection with Unshielded Cable Connection

Procedure

- 1 Insert the network cable connecter into the open input port of the modular coupler, see Figure 8.
- 2 Use the recommended cable fastener to provide strain relief.



Figure	8:	Network	connection	with	unshielded	cable	connection
--------	----	---------	------------	------	------------	-------	------------

Pos.	Description
1	Connector including wiring with max. AWG 26-14 (e.g. WAGO CageClamp Part No 231-306/026-000
2	To MODEM – dial up
3	Cable fastener and mounting plate: (e.g. 918.0553 type TC-140 Thomas&Belts and 918.0551 type BT1-M-M Panduit)
4	Cable-signal: solid conductor or flex cord
- 1	

End.



5 Initial Start-up

5.1 Overview

Check to make sure that the TVM has been fully installed. Please note: It is important that the Printer system is initialized first so that you will be able to print out initialization records for subsequent modules.

Following are the main steps involved in starting up the TVM for the first time:

- 1 Remove packaging material and transport security devices (mainly paper pads and visible foam inserts, also tape on RS2x coin verifier).
- 2 Install the software packages.
- 3 Execute terminal initialization (network parameter, serial number etc.).
- 4 Load paper (ticket media).
- 5 Inspect coin vault, banknote vault and BUCOs.
- 6 Initialize the modules in *following order*:
 - Printer system
 - Coin processing module
 - Banknote acceptor
 - CTU module (option)
 - EFT-PoS Card Processing
- 7 Initialize the sales application. End.

5.2 Requirements

- Physical installation of the TVM must be complete; network and power supply cables must be available and connected.
- Configurated USB Memory Stick containing the software packages (operation system, sales- and maintenance application).
- You must have a user ID and password.
- You must know the TVM parameters, e.g. network parameters, station ID etc., see section 5.4.3 starting on page 31.
- You must also know the parameters for the commissioning of the EFT-PoS card processing, see input-screen on page 47.



• You must have coins on hand in specific denominations for filling the empty coin drum. (This might be done afterwards from cash handling agency)

5.3 Special tools

• Door keys (shroud lock, four allen key, half-cylinder lock)

5.4 Starting up the TVM

5.4.1 Remove Packaging Material and Transport Security Locks

Procedure

- 1 Open the TVM and remove all packaging material.
- 2 Remove also the transport security tape on coin verifier (marked with a big orange sign), End.

5.4.2 Software Installation

Requirements

• Configured USB memory stick with the correct software packages.

(i)_{Note}

Check how much storage capacity is still available on the USB memory stick. You should make a backup copy of the "log.txt" file in the "Scripts" directory and then delete this file from the USB memory stick after about 10 update installations.

The same applies to the "Backup" directory (delete the directory).

Procedure

- 1 Open the door of the TVM.
- 2 Insert the USB memory stick in a free USB port on the side of the Main Control Unit (MCU):





- 3 Switch the TVM on.
- Wait until you hear a repeating audio signal: When the interval between audio signals is 3 seconds, then the installation of the software update was successful. If the interval between audio signals is 1 second, then there was a problem.
- 5 Switch off the main switch of the TVM again (this may take several minutes).
- 6 Remove the USB memory stick.
- Switch the TVM back on again. Log in to the maintenance application. You can now perform the terminal initialization, see next section 5.4.3 on page 31.
 End.

Troubleshooting problems during installation of the software

Send a copy of the file "log.txt" in the "Scripts" directory on the USB memory stick to the Customer Service department of ACS Solutions Switzerland Ltd.

5.4.3 Terminal Initialization

Requirements

During the initialization you will be asked to enter the

- Unit number,
- Unit identification,
- Station ID,
- Unit location,
- Arcos parameters,
- Network parameters.



Procedure

() Important note:

Make sure to enter the network parameters (maintenance function "Set Network Parameters") at the endduring the terminal initialization as the TVM will reboot with the execution of this function and activate the parameters.

- 1 Open the TVM and switch on the mains switch. Login the maintenance application.
- 2 Go to "Main" È "System Services" and click on Assign Parameters, following screen appears:

	No Alarms	
	NO AIdITIIS	
terrate 1	(
Set une number	Set Unit Location	
Set Network Parameters	Set Writ Date b. Three	
Set Unit Identification		
Set Station ID		
Set Arcos Parameters		Stop Back

3 Click on **Set Unit Number**, following screen appears:

40°	
1 2	3
4 5	6
Number 7 8	9
Clear 0 1	Enter

4 Enter the unit **number**, click **Enter** and confirm by means of clicking **OK**.



Main + System Services + Apolyn Parameters + Set Unit Identification	<u>A</u>	Keptaard A
		Expert900
Identification		
Expert1		1033 a s d f g h 3 k l ; f # 1 z x c v b n m , . / Spece
	Adjust OK	Cancel
TVM - 30	Thu, 22.05.2006 18:49	TWN+ID 7000 22.06.2006 18:51

5 Click on **Set Unit Identification**, following screen appears:

- 6 Click Adjust for the display of the keyboard. Enter the unit identification and confirm with **OK**. (examples are shown above).
- 7 Click on **Set Station ID**, following screen appears:

Main + System Services + Assign Parameters + Set Staffon (D	<u>.</u>	Keptaard 🔥
Station ID Bern		Expert900 1 2 3 4 5 6 7 8 9 0 - * (E) q w a r t y u r o p [] Case a 5 d f g h j k l : ' # 1 2 K C V D n m r Space
	Adjust OK	Cauci
TVM - 3D	22.05.2006 18:55	22.06.2006 18:51

- 8 Click **Adjust** for the display of the keyboard. Enter the station ID and confirm with **OK**. (examples are shown above).
- 9 Click Adjust for the display of the keyboard. Enter the ARCOS Hostname and FTP Server address. Confirm with OK.



10 Click on Set Unit Location, f	following screen	appears:
----------------------------------	------------------	----------

Main + System Services + Astign Parameters + Ser Unit Location.	A	Kepbaard 🔥
Location		Expert900 1 2 3 4 5 6 7 8 9 0 - # q w a r t y u i o p [] a s d r g h j k i ; r l z x c y b n m , . r space
Adjust	0r Thu, 22.06.2006	Cancel 06 TVH - ID Thu, 22.06.2006

- 11 Click **Adjust** for the display of the keyboard. Enter the location of the TVM. Confirm with **OK**.
- 12 Click on Set Date and Time, following screen appears:

		1.0		
		1	2	3
	Date	4	5	6
22 -	06 - 2006	7	8	9
	Time	Clear	0	Enter

13 Enter the date and time, clicking **Enter** changes the input box. Check your entries and confirm them with **OK**.



Name Server	Domain			
	ENGLAPTOP1	Clear	0	Enter
Default Gateway	Hostname	7	0	9
		4	5	6
IP Address	NET Mask	1	2	3

14 Click on Set Network Parameters, following screen appears:

15 Enter the parameters and confirm them with **OK**. The TVM will reboot. Wait, until the screen for the login appears again. Login the maintenance application. End.

The TVM is now ready for the initialization of the modules (coin processing, printer, etc.).



5.4.4 Load Paper (Ticket Media)

Refer to document "Routine Jobs", section "Refill Paper" in order to load the paper coils onto the roll holders of the printer system.

5.4.5 Inspecting Coin Vault, Banknote Vault & BUCOs

The initialization of the modules is based on the following assumptions:

- Coin vault and banknote vault are empty and locked into place. If a vault is not locked into place you can try to lock it in. however, if this is not possible the vault must be reset by opening its lid and this must be done by the cash-handling agency. The units come with the cash vaults installed and do not need any manipulation.
- BUCOs must be full (Capacity, denomination and its filling levels are preconfigured and must be followed at all times). If BUCOs are not available at time of initialization inform the cash-handling agency to install them afterwards. This has no impact on the initialization procedures (just skip steps referring to BUCOs)
- Coin drums levels can be entered manually but must be known before initialization. Empty coin drums are installed in the unit and an initialization is possible without any coins. Refill procedures can be done by the cash-handling agency after the initialization. (If this is required skip steps that refer to coin re-fill functions)

Procedure

- 1 Check to make sure that the coin vault is in the coin handling system and properly locked in. (coin vault is normally empty and needs to be checked on a reinstallation only).
- 2 Check to make sure that the banknote vault is in the banknote acceptor and, if so, that it is empty and properly locked into place. (banknote vault is normally empty and needs to be checked on a reinstallation only).
- 3 Load the *full* BUCOs into the coin handling system, see also "Routine Jobs", section "Replace Auxiliary Coin Storage Unit (BUCO)" for further information. Do not use empty BUCOs since the TVM automatically assumes full BUCOs. If you have empty BUCOs only or are not sure that the BUCO is full disconnect the BUCO and inform the cash-handling agency. End.



5.4.6 Initializing the Printer System

Procedure

1 Open the door of the TVM and switch it on. Wait until the computer has booted up. The screen for logging into the service application appears:

-	ID		2	
		4	5	6
	Paseword	7	8	9
		Clear	0	Enter

2 Log in to the service application. The applications menu appears:

pplications		Å
	Haintenance	
	Test	
Total - ID		Thu
		22.06.2006

3 Select the Maintenance application. The main menu appears:



Main				1
	No Alarms	i		
System service	Close/Open Shift			_
Technikal service	Printo Somus	1	2	3
	Vention check card	4	5	6
	Delete alarms	7	8	9
Exit	Coin Module change	Clear	0	Enter
TVM-ID				Thu, 22.06.200 14.30

4 Select **Technical Services** from the main menu. The following screen appears:

an 🕨 Technical Services		
	No Alarms	
Rinter Genikes	Sales Services	
Earlinote Services	Check Card Services	
	Receipt Services	Stop Back
TvM-ID		Thu, 22.06.2006

5 Select the **Printer Services** submenu. The following screen appears:

Evertpaper 1	Remove paper 3	
Destpape 2	Frink test form paper 1	
Inert paper 1	Frink test form paper 2	
Remove paper 1	Frink test form paper 3	
Remove paper 2		Stop Back

6 Select **Insert paper 1**. The following screen appears:



Function Completed Frinter 1 Insert Paper Tray 1 (#5011) The maintenance function has been executed successfully!	Function Completed Frinter 1 Insert Paper Tray 1 (#5011) The maintenance function has been executed successfully!		formation
Frinter 1 Insert Paper Tray 1 (#5011) The maintenance function has been executed successfully!	Frinter 1 Insert Paper Tray 1 (#5011) The maintenance function has been executed successfully!	Function Completed	
The maintenance function has been executed successfully!	The maintenance function has been executed successfully!	Frinter 1 Insert Paper Tray 1 (#5011)	
		The maintenance function has been executed successfully!	

7 Confirm by selecting **Yes**.

Main + Technical Services + Prin	ter Services 🕨 Insert Paper	
	Insert Paper	
	Please insert paper in tray 1	
Table ID.		Thu,
		22.06.2006

8 Insert the paper in the front tray 1. Then, this screen appears:



- 9 Confirm by selecting OK. Accept the automatically printed test ticket or go back to "Printer Services" and click on Print test form paper 1. Accept the test ticket.
- 10 Go back to "Printer Services" and repeat the procedure for the other paper path. End.



5.4.7 Initializing the Coin Processing System

Requirements

- BUCOs are properly installed and connected,
- Coin vault is properly locked in,

If necessary, go back to section "Inspecting Coin Vault, Banknote Vault & BUCOs" on page 36 to check the requirements for the initialization.

Procedure

1 Select the **Coin System Services** in the menu "Technical Services". The following screen appears:

an e fachtical Services e (an sysen serves -	1
	No Alarms	
Refill Drum Dump Drum Content	Plodule Change	
		Stip Beck
TvH-10		Thu, 22.06.200

2 Select Module Change. The following screen appears:

Information		2
	Confirmation	
	Coin Module Change (#60)	
	Are you sure that you want to execute this maintenance function?	
	1	Ye
TvM-ID		Thu, 22.06.2006

3 Confirm by selecting **Yes.**



Vain F Technical Services	Com System Services	
	Execute Module Change RS2x	
	Please confirm with OK after changing the Module.	
TvM-ID		OK Thu

4 Confirm by selecting **OK**.

Function Completed	
Coin Module Change (#60)	
No module change to be processed.	
	-

5 Confirm by selecting **OK** and accept the printed receipts. If the receipts are not printed automatically, print them by means of the maintenance function "Show not printed receipt", quick code number 80630.

5.4.8 Fill the Coin Drums of the Coin Processing System

Requirements

Coins in specific denominations.

Procedure

1 Select **Refill Drums** in the menu "Coin System Services". The "Coin Refill" screen appears:





2 Put in the prepared change (any order is possible), when finished, press **Stop**. You will be asked to print out the numbered receipt declaring the actual content of the coin drums:



3 Press **Print**, take it out of the change tray and keep the receipt in safe custody. Then this confirmation appears:



4 Press OK.

The initialization of the coin processing system is fully accomplished.



5 Return to the menu "Technical Services" by clicking **Back**. End.



5.4.9 Initializing the Banknote Verifier

Requirements

If necessary, go back to section "Inspecting Coin Vault, Banknote Vault & BUCOs" on page 36 to check the requirements for the initialization.

Procedure

1 Select the **Banknote Services** in the menu "Technical Services" This screen appears:

	No Alarms	
	no Più ma	
ID Check Card	Hodule Change	
State Check Card Bros & Warning Check Card		
Railure History Check Card		
		Stop Back

2 Select the **Module Change**. The following screen appears:

Confirmation	
Banknote Module Change (#65)	
Are you sure that you want to execute this maintenance function?	

3 Confirm by clicking Yes.



Main + Technical Services	• Barlinsk Services	
	Execute Module Change BNA	
	Please confirm with OK after changing the Module.	
		OK
TVH - ID TTA-Spett		22.06.2006

4 Confirm by clicking **OK** and wait on the following screen:

Information		
	Function Completed	
	Banknote Module Change (#65)	
	No module change to be processed.	
	·	OK
TvH-ID TTA-Spets		Thu, 22.06.2006 17:19

5 Press OK.

The initialization of the banknote acceptor is fully accomplished.



5.4.10 Initializing the Card Handling Module (option)

1 Select the **CTU Services** in the menu "Technical Services". The following screen appears:

	No Alarms	
CTU 2 tecore Devke	CTU Flicible Grunge	
		Stap Back
Tutt - ID		Thu,

2 Select **CTU Module Change** and a confirmation screen appears:

Information		Ā
	Confirmation	
	CTU Module Change (#64)	
	Are you sure that you want to execute this maintenance function?	
	10	Ys
TvH - ID TTA-fapetu		Thu, 22.06.2006

- 3 Confirm by clicking Yes.
- 4 Confirm by selecting **OK**.

5 Press OK.

The initialization of the CTU-Module is fully accomplished.

6 Do the same procedure for each CTU-Module (if necessary).



5.4.11 Commissioning of the EFT-PoS Card Processing

Procedure

1 Go to "Main" è "System Services" è "Assign Parameters" and click on **Set EFT ID**. The following screen appears:

CALC ID	1	2	3
chic ib	4	5	6
CAT ID	7	8	9
	Clear	0	Enter
Unlocking Number			-
		Back	OK

2 Enter the parameters and confirm them with **OK**. End.

5.4.12 Initializing the Sales Application

Procedure

- 1 Return to the main menu of the maintenance application.
- 2 Close the door; this will automatically initiate the sales application. The TVM is now ready to use.
- 3 Complete the Installation protocol, have it signed and file it for reference.