



Manual



2
Jahre Garantie

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For additional queries, our Hotline is at your service.

Call +43 / 72 29 / 78 0 40 – 250

Your Fun4Four Team TAB - Austria

Technical Info *Fun4Four Manual.*

MORE INFORMATION ON THE PAGE:

www.tab.at/downloadbereich/download.html

(BG - 03.12.2008)

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Setup Pointers

Safety regulations for the user:

The machine should only be operated in a dry room and connected to a safety plug socket that complies with the relevant safety standards.

- Before starting the machine, it should be allowed to attain room temperature.
- Check the main voltage before connecting the machine!
- The machine is designed for an alternating voltage of 230 Volts (*or 115 Volts if specified on the type plate*), 50 Hz (*or 60 Hz*) and 180 W power.
- The machine may only be operated with a 3,15 amp fuse.
- In case of damage to housing parts, protruding wires, machine fires or smashed picture tubes, the machine must be immediately switched off and the main plug disconnected.
- Defective or bare wire cables, especially power cables and plug connectors must be replaced.

IMPORTANT!

In such cases ensure that any machine contact is avoided and that it cannot be switched on!

- The recommended ambient temperature is 5 – 35 Degrees on the Celsius scale.
- The recommended working temperature is 15 – 40 Degrees on the Celsius scale.
- The recommended absolute humidity is between 30% and 75% RG, not condensed.
- When positioned alongside other machines, interference in normal operation may occur.

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Disposal of Old Electrical & Electronic Equipment (Applicable in the European Union and other European countries with separate collection systems)

This symbol on the product or on its packaging indicates that this product shall not be treated as household waste. Instead it shall be handed over to the applicable collection point for the recycling of electrical and electronic equipment. By ensuring this product is disposed of correctly, you will help prevent potential negative consequences for the environment and human health, which could otherwise be caused by inappropriate waste handling of this product. The recycling of materials will help to conserve natural resources. For more detailed information about recycling of this product, please contact your local city office, your household waste disposal service or the company where you purchased the product.



IMPORTANT:

When you work on the machine, you must turn off the machine and plug out the voltage.
Repairs on the machine only from qualified personal.

In the inside of the machine there is this sticker. Please show it the qualified personal before he begin with the repair.





Description

General

The „Fun4Four“ is an ergonomically designed entertainment machine. The machine contains an electronic coin acceptor, an electronic banknote acceptor, a 42" TFT display with touchscreen and a complete PC system.

All games on the „Fun4Four“ could be played with the touchscreen.

PC-System components

Standard equipment

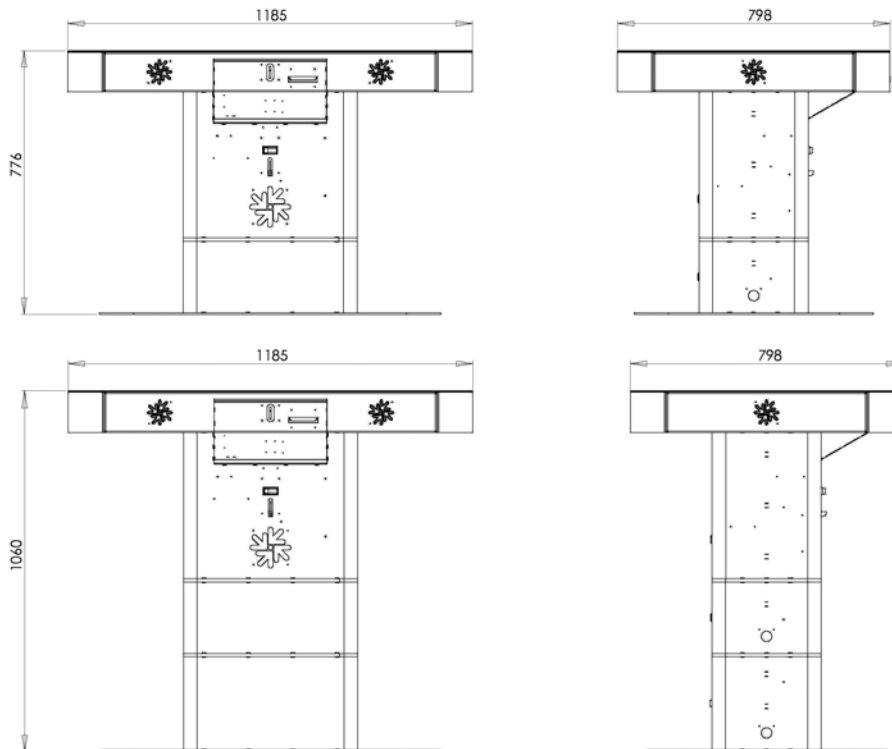
- PC-System with Intel® Pentium® Core 2 Duo E4300 (2x1,8 GHz), PCI-Bus and 2048 MB memory
- PCIe-graphiccard with ATI™ chip, (1366 x 768 resolution, High Color)
- On-Board 16-Bit soundcard
- Minimum 80 GB SATA hard disk drive
- TAB I/O interfacecard with safty-memory
- 42" TFT-display with USB DST touchscreen controller
- Electronic coin accepator (Comestero RM5)
- Electronic baknote acceptor (Astrosystems HR1)



Technical Datas

Machine-dimension

	unpacked	packed
Depth	79,8 cm	80 cm
Width	118,5 cm	120 cm
Height	106 cm	124 cm
Weight	137 kg	171 kg



Electronic Datas

Electricity: 230 volt
Perfomance: 320 watt
Cutout: 2x 3,15 ampere

Note:

When you have more then one machine on a voltage splitter please note:

With a normal installed electricy port with a cutout from 16 ampere do not plug in more then 3 machines.



Component Datas TAB

42" DST Touch 3M

DST Dispersive Signal Technology

42" LCD display Tovis (LG Panel)

resolution: 1366x768

Ball Drop Test

Test from 3M

- 40" DST Touch Screen
- NEC 4010 display
- Steelbullet aperture 55mm; weight 1lbs / 0,454kg.
- High: 1,3m





Water test

Test from TAB

- 42" DST Touch Screen 3M
- PVC-insulating foam 3259-4,5 schwarz Fa. at industrieservice GmbH
- 1,2l water
- 5 minutes „residence time“





Montage

Every machine is factory tested and delivered in a preset condition.

We recommend you wait for 15 minutes, so that the display can attain optimum operating temperature.

Due to the effects of temperature, it is possible that the display and touch-screen settings become altered. Therefore, we recommend the following procedure **ALWAYS** be adhered to when commissioning the machine for the first time:

1) Turn on the machine:

The on/off switch is on the backside of the machine.
The game menu will be automatically started.

2) Open the front door and push the testmode button :

The testmode starts and will be shown on the display.

3) Calibrate the touchscreen:

In the menu „General“ there is a button “Calibrate”, click the button and follow the options on the screen.

4) Volume settings:

In the testmode option „General“ you can set the desired volume for playing and for standby.

5) End testmode:

With the button „Back“ you will get in the main menu of the testmode.

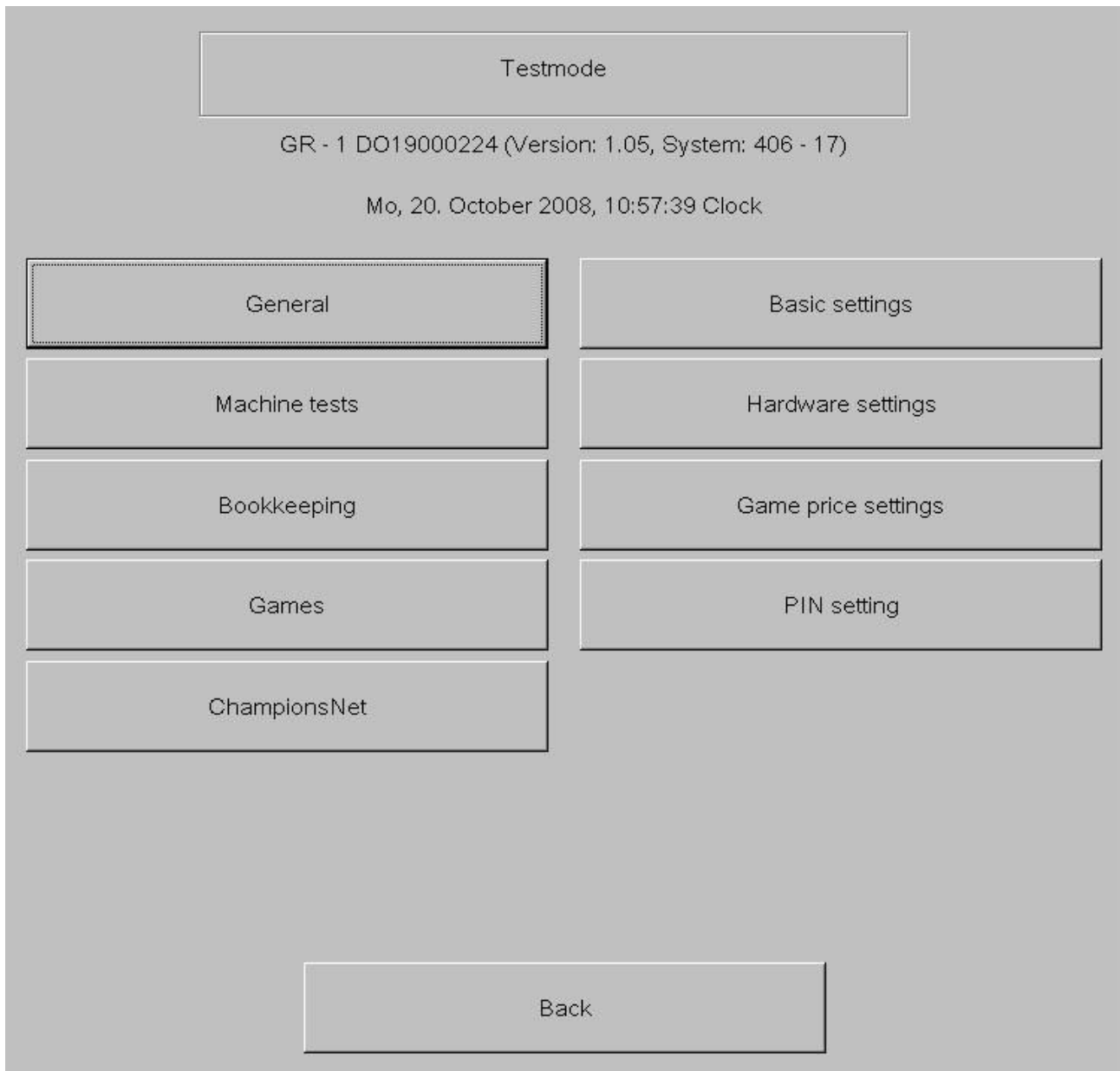
When you click „Back“ button again the game menu will start automatically again.



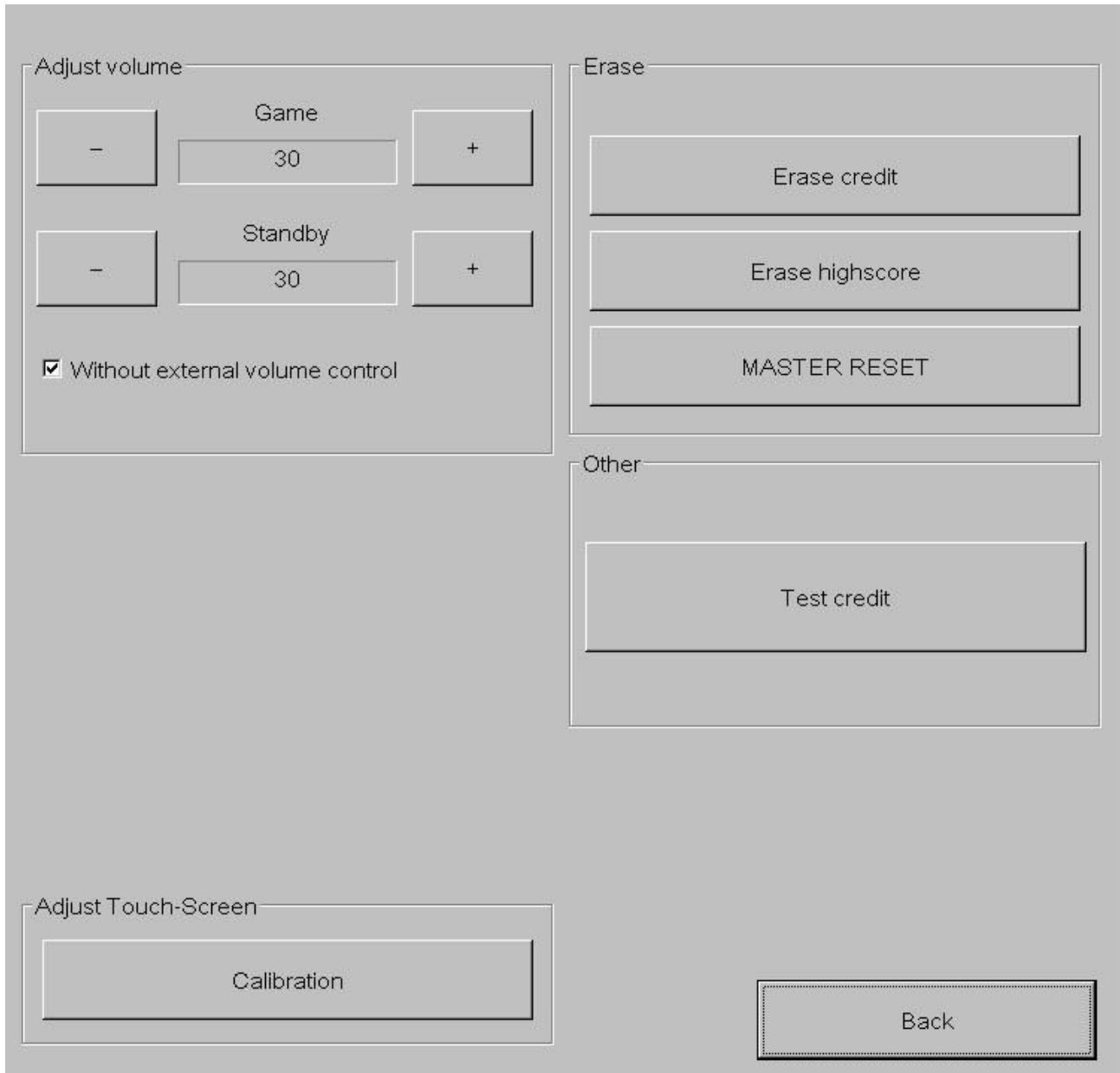
Testmode

- Push button for testmode in the inside of the machine

You will get in this menu:



- Menu General



Adjust volume

Game 30

Standby 30

Without external volume control

Erase

Erase credit

Erase highscore

MASTER RESET

Other

Test credit

Adjust Touch-Screen

Calibration

Back

- **Ajust volume**
 - Game
Set the volume of the game sound
 - Stand-By
Set the volume of the stand-by sound



- **Set-up touchscreen**
 - Calibrate
Here you can calibrate the touchscreen (follow the settings on the display)

- **Löschen**
 - Erase credits
Delete existing credit(s)
 - Delete highscore
Delete all highscore lists on the machine
 - Master Reset
This option will set the machine back to factory settings

- **Other**
 - Test credit
Set test-credits

- Menu Basic Settings

Date and time

Day

Month

Year

Hour

Minute

Basic language

English

Automatically delete high score

never

every

4

week(s)

individually for each entry

- **Date and time**

Here you can set up the date and the time.

Note:

A machine which is active in the Championsnet, will set the date and the time automatically. You only need to set the correct time zone.

- **Basic language**

Language options are automatically displayed on the main menu when the machine is powered on.

- **Automatically delete high score**

Here you decide if and how often the local highscore will be erased.



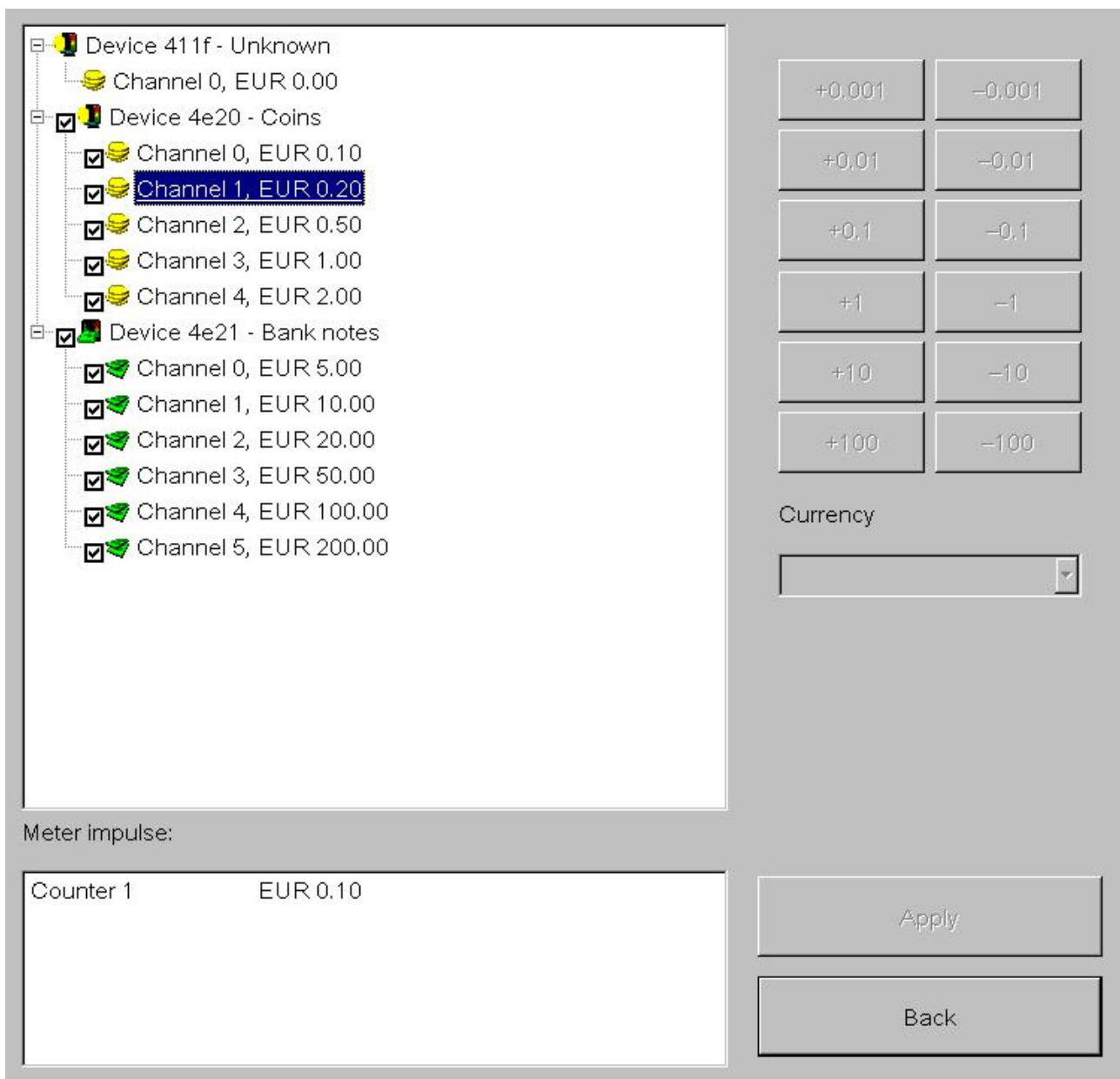
- Menu Machine Test

<ul style="list-style-type: none"> [-] Device 411f - Unknown <ul style="list-style-type: none"> Channel 0, EUR 0.00: 0 [-] Device 4e20 - Coins <ul style="list-style-type: none"> Channel 0, EUR 0.10: 0 Channel 1, EUR 0.20: 0 Channel 2, EUR 0.50: 0 Channel 3, EUR 1.00: 0 Channel 4, EUR 2.00: 0 [-] Device 4e21 - Bank notes <ul style="list-style-type: none"> Channel 0, EUR 5.00: 0 Channel 1, EUR 10.00: 0 Channel 2, EUR 20.00: 0 Channel 3, EUR 50.00: 0 Channel 4, EUR 100.00: 0 Channel 5, EUR 200.00: 0 	<p>Meters</p> <div style="border: 1px solid gray; padding: 5px; text-align: center; width: 100px; margin: 0 auto;">Total In</div> <p>Insert</p> <div style="border: 1px solid gray; padding: 5px; margin: 0 auto;"> <p>EUR 0.00</p> </div> <p>Credit 0</p>
<p>Last impulses:</p> <div style="border: 1px solid gray; height: 80px; width: 100%;"></div> <p>Button press:</p> <div style="border: 1px solid gray; padding: 2px;">None</div>	<div style="border: 1px solid gray; padding: 5px; width: 100px; margin: 0 auto;">Back</div>

- Coins:** Test if the coin channels are working correctly
- Banknotes:** Test if the banknote channels are working correctly
- Last Impulses:** View the correct allocation of your coin acceptor and banknote reader.
- Button press:** Test if your buttons are working properly
- Meters:** Check the hardware counter. There should be 10 impulses already added onto the counter.



- Menu Hardware Settings



The screenshot displays the 'Menu Hardware Settings' interface. On the left, a tree view shows the following structure:

- Device 411f - Unknown
 - Channel 0, EUR 0.00
- Device 4e20 - Coins
 - Channel 0, EUR 0.10
 - Channel 1, EUR 0.20 (highlighted)
 - Channel 2, EUR 0.50
 - Channel 3, EUR 1.00
 - Channel 4, EUR 2.00
- Device 4e21 - Bank notes
 - Channel 0, EUR 5.00
 - Channel 1, EUR 10.00
 - Channel 2, EUR 20.00
 - Channel 3, EUR 50.00
 - Channel 4, EUR 100.00
 - Channel 5, EUR 200.00

On the right side, there are two columns of buttons for adjusting values:

- Column 1: +0,001, +0,01, +0,1, +1, +10, +100
- Column 2: -0,001, -0,01, -0,1, -1, -10, -100

Below these buttons is a 'Currency' dropdown menu. At the bottom right, there are 'Apply' and 'Back' buttons.

At the bottom left, under 'Meter impulse:', there is a table:

Counter 1	EUR 0.10
-----------	----------

- **Currency**
Choose the programmed currency
- **Meter impulse**
Set the impulses for the hardware counter
- **Set VDAI**
Set the options for VDAI (only in Germany)
- **Coins and banknotes**
Complete setup of the coin and banknote reader channels



- Menu Bookkeeping

Tu, 14. October 2008, 15:21:29 GMT -
Mo, 20. October 2008, 9:59:58 GMT

<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>0.10</td><td>0</td></tr> <tr><td>0.20</td><td>0</td></tr> <tr><td>0.50</td><td>4</td></tr> <tr><td>1.00</td><td>1</td></tr> <tr><td>2.00</td><td>0</td></tr> </table> <p>Coins 3.00</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>5.00</td><td>0</td></tr> <tr><td>10.00</td><td>0</td></tr> <tr><td>20.00</td><td>0</td></tr> <tr><td>50.00</td><td>0</td></tr> <tr><td>100.00</td><td>0</td></tr> <tr><td>200.00</td><td>0</td></tr> </table> <p>Bank notes 0.00</p> <hr/> <p>Total In 3.00</p>	0.10	0	0.20	0	0.50	4	1.00	1	2.00	0	5.00	0	10.00	0	20.00	0	50.00	0	100.00	0	200.00	0	<p style="text-align: center;">Result</p> <p>Currency EUR ▾</p> <p>Total In 3.00</p> <p>Total Out 0.00</p> <hr/> <p style="text-align: right;">3.00</p> <p>Test credits: 0</p> <p>Free game credits: 0</p> <p>Time running 132:02</p> <p>Time played 2:30</p> <div style="text-align: right; margin-top: 20px;"> <p>Bookkeeping 2</p> <p>Erase</p> <p>Back</p> </div>
0.10	0																						
0.20	0																						
0.50	4																						
1.00	1																						
2.00	0																						
5.00	0																						
10.00	0																						
20.00	0																						
50.00	0																						
100.00	0																						
200.00	0																						

Bookkeeping visible in the overview test menu

Above is the complete bookkeeping menu of the machine. If desired, set the bookkeeping available for the supervisor PIN code.

- **Bookkeeping 1**
Here you can see the complete income of coins, banknotes and Bonus-card inputs. You also can see the complete sum of all the credits and the running time of the machine.
- **Bookkeeping 2**
Here you can see an overview of the income, test-credits, music-credits and the running time.

Please note:

Bookkeeping 1 and Bookkeeping 2 can be deleted separately.



- Menu Game Price Settings

Game price setting

Money value	Credit	Currency												
0.50	1	<div style="border: 1px solid gray; padding: 2px;">EUR</div> <div style="text-align: center; margin-top: 5px;">Introduce</div> <div style="text-align: center; margin-top: 5px;">Delete</div> <table style="width: 100%; text-align: center; margin-top: 5px;"> <tr> <td style="border: 1px solid gray; padding: 2px;">+0,001</td> <td style="border: 1px solid gray; padding: 2px;">-0,001</td> </tr> <tr> <td style="border: 1px solid gray; padding: 2px;">+0,01</td> <td style="border: 1px solid gray; padding: 2px;">-0,01</td> </tr> <tr> <td style="border: 1px solid gray; padding: 2px;">+0,1</td> <td style="border: 1px solid gray; padding: 2px;">-0,1</td> </tr> <tr> <td style="border: 1px solid gray; padding: 2px;">+1</td> <td style="border: 1px solid gray; padding: 2px;">-1</td> </tr> <tr> <td style="border: 1px solid gray; padding: 2px;">+10</td> <td style="border: 1px solid gray; padding: 2px;">-10</td> </tr> <tr> <td style="border: 1px solid gray; padding: 2px;">+100</td> <td style="border: 1px solid gray; padding: 2px;">-100</td> </tr> </table>	+0,001	-0,001	+0,01	-0,01	+0,1	-0,1	+1	-1	+10	-10	+100	-100
+0,001	-0,001													
+0,01	-0,01													
+0,1	-0,1													
+1	-1													
+10	-10													
+100	-100													
Standard1 (normal)	Standard2 (Bonus)													

Free play mode

Apply

Back

- **Game price setting**
Set here your balance of the credit. The standard price is 50 Cents for 1 credit. The Standard2 (Bonus) menu allows you to set special credits for Bonus-options
- **Free play mode**
In this mode, the machine always has 99 credits in the menu.



- Menu PIN Settings

Select the PIN number to be changed and then enter the new PIN number!

set PIN for

Supervisor 1	****	change
<input type="checkbox"/> activate		

Supervisor 2	****	change
<input type="checkbox"/> activate		

Supervisor 3	****	change
<input type="checkbox"/> activate		

set PIN for

Testmode	****	change
<input type="checkbox"/> activate		

set PIN for

Bookkeeping 2	****	change
<input type="checkbox"/> activate		

Back

- Set up 3 different Supervisor Pins for a access to a special testmode, where you can see special menus.
- Set up a Pin for entering the testmode.
- Set up a Pin code for the access to delete the Bookkeeping 2.



Championsnet

In the menu Championsnet you can set up the internet settings and register the Fun4Four by TAB – Austria.

Machine/Set-up site	
Machine number	0
Name of the establishment	F4F Bar
Place/Town	4052 Ansfelden
Address	Haiderstrasse 40
Telephone number	
Fax number	
Email	
Country	Austria
<input type="button" value="change"/>	
Connection (Network - Direct)	
Telephone number	
User name	
Time	18:20
<input type="button" value="change"/>	
<input type="button" value="www"/>	<input type="button" value="Test connection"/>
	<input type="button" value="Register ..."/>
	<input type="button" value="Receive data"/>
	<input type="button" value="Receive all data"/>
	<input type="button" value="Protocol"/>
	<input type="button" value="Back"/>
<input checked="" type="checkbox"/> activate	

- Activate Championsnet



Choose „change“ at the „Connection“ and you will come to this menu:

- **Provider connection:**
 - Setup the telephone number, user name and password for your connection.
- **Start of transmission**
 - Set the time of the automatically daily-transfer of the Championsnet datas.

Provider connection		
Telephone number	<input type="text"/>	<input type="button" value="change"/>
User name	<input type="text"/>	<input type="button" value="change"/>
Password	<input type="text"/>	<input type="button" value="change"/>
Confirmation	<input type="text"/>	<input type="button" value="change"/>
Start of transmission		
<input checked="" type="radio"/> Hour	<input type="radio"/> Minute	<input type="button" value="+"/>
<input type="text" value="18"/>	<input type="text" value="20"/>	<input type="button" value="-"/>
Connection		
<input type="radio"/> Modem		
<input checked="" type="radio"/> Network - Direct		
<input type="radio"/> Network - VPN		
<input type="radio"/> Network - PPPOE		
<input checked="" type="checkbox"/> Permanent Connection		
<input type="button" value="Page 2..."/>		
<input type="button" value="Apply"/>		
<input type="button" value="Back"/>		

○ **Connection Type**

Choose your internet connection. If you choose “Permanent connection”, the machine is always connected to the internet. This is not recommended, because then you can have high internet costs.

● **Network Direct (intern network)**

There is your device in a intern network. You don't need any datas like telephone number or password. You need only the settings on **page 2**.

Choose the connection **Network Direct** and click the button **Page 2** (see **picture 1.0**). For this datas, please connect your network administrator and fill it in.

● **Network – VPN**

Users of ADSL have to choose this option. You get your internet setup datas from your provider like number, username and password. Choose the connection **Network – VPN** and fill in the datas. Then go on **page 2 (picture 1.0)** and there you make the following settings:

- De-activate **Disable DNS**
- Fill in DNS 1
- Fill in DNS 2
- De-activate **Use DHCP**
- Fill in IP-adress
- Fill in Subnet Mask

All this datas you get from your internet provider.

● **Network – PPPOE (tie internet)**

Users of TDSL or higher are using this option! You get your internet setup datas from your provider like number, username and password. Choose the connection **Network – PPPOE** and fill in the datas. Then go on **page 2 (picture 1.0)** and there you make the following settings:

- Activate **Disable DNS**
- De-activate **Use DHCP**
- Fill in IP-adress
- Fill in Subnet Mask

All this datas you get from your internet provider.

You are able to connect more machines together and then connect them into the internet. What you need for this is a **hardware router** which is establishing the internet connection for example via DSL. With the network card on-board you configure a local network (see settings **Network Direct**). The PCs will be connected to the router, and the router to the DSL connection.



Proxy/Auto Configuration Script

Enable Proxy

Enable Config Script

DNS

Disable DNS

Domain:

DNS1:

DNS2:

Network Info

Use DHCP

IP Address:

Subnet Mask:

Gateway:

Fill in here your internet settings. Please contact your internet provider or network administrator when you have problems.





Online Terminal Management

With the ONLINE TERMINAL MANAGEMENT you are able to advise your machines from your home!

With the Online Terminal Management Homepage you can do a lot of options with one mousclick:

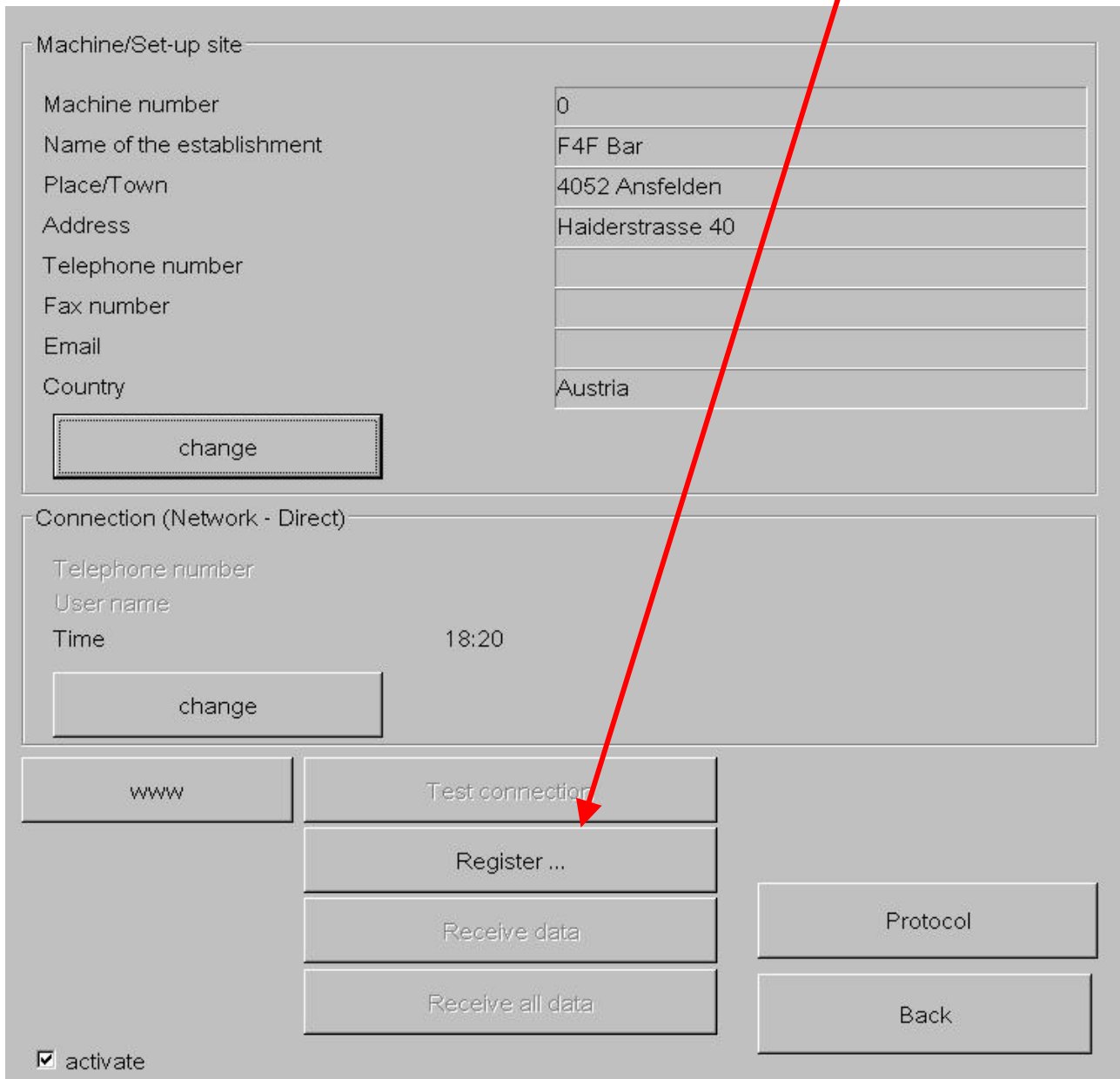
- **Online Service**
See important datas from your machines at every time.
- **Terminal and license management**
Here you can manage all your terminals and update your Version online

You can directly register at <https://service.championsnet.net> or www.tab.at/otm

If you register at your first time, you will get your licenses for the first 3 months for free, with the licenses you can activate Online Service.



When all settings are done, you have to **register** your machine into the ChampionsNet.



Machine/Set-up site

Machine number	0
Name of the establishment	F4F Bar
Place/Town	4052 Ansfelden
Address	Haiderstrasse 40
Telephone number	
Fax number	
Email	
Country	Austria

Connection (Network - Direct)

Telephone number

User name

Time 18:20

activate

In the registration procedure, the machine is getting accounced to the ChampionsNet server and gets it owns machine number.

For the feature Online Service, you must register at our homepage under OTM and get your own Tan list and licenses. The licenses are free for 3 months.

Then in the **testmode** the button **Online Service** is available. Activate Online Service by clicking the button, agree the provisions and fill in a TAN – code.



Activate Online Service

Testmode

GR - 1 DO19000224 (Version: 1.05, System: 406 - 17)

Mo, 20. October 2008, 10:57:39 Clock

General	Basic settings
Machine tests	Hardware settings
Bookkeeping	Game price settings
Games	PIN setting
ChampionsNet	
Online Service	

Back

Choose „**Online Service**“.

Follow the instructions on the screen and fill in your **Tan code**, device **number (GE....)** and the current stand of your **counter**.





Programm Update

Every machine you get has the latest version and standard settings. If you want always the latest version you must make an update or register the machine to OTM.

Procedure:

- Switch machine off
- Dock the update HDD to the plug connector of the PC
- Switch machine on
- Copy procedure is starting automatically, this is taking about 15 – 30 minutes.
- Turn machine off at final message *“Update finished – Please switch off, remove update disk and switch on again“*
- Remove the update disk
- Turn off the machine again
- All datas on the HDD will be scanned and checked.
- Machine starts now with new software

Note:

You can choose different options before the update starts.

For further information read the description „Update Options“.

Update Options

If you have plugged in the update disk, you can choose the following options before the update starts:

- Force partitioning
Format the hard disk drive
- No Backup and Restore
If you choose this option, there is no backup from gamedatas.





Error messages

Various error messages may appear during the copying procedure. The possible messages are listed below:

HARDLOCK DONGLE NOT CONNECTED

The dongle must be connected for the copying procedure. Check dongle connection.

WRONG DONGLE CONNECTED

Wrong dongle connected.

UNKNOWN CONFIGURATION

The update hard disk does not support the device configuration, please have it checked by TAB.

OVERWRITE PROTECTION

Check the hard disk set-up, otherwise please have it checked by TAB.

PARTITION ERROR

The hard disk to be updated cannot be set up. Either the hard disk or its cable is defective.

NO TOUCH SCREEN PROGRAM

The program for the 25-point touch screen calibration was not found. Carry out renewed update.

MASTERDISK ERROR

An error has occurred accessing the update hard disk. Either the update hard disk or the removable hard disk cartridge and the corresponding hard disk cable are defective.

SLAVEDISK ERROR

An error accessing the hard disk to be updated has occurred. Either the hard disk or its cable is defective.

MASTER COPY FILES ERROR

An error reading the update hard disk has occurred. Either the update hard disk or possibly the removable hard disk cartridge and the corresponding hard-disk cable are defective.

SLAVE COPY FILES ERROR

An error has occurred writing to the hard disk to be updated. Either the hard disk or its cable is defective.

NOT COMPLETELY UPDATED

The update procedure has not been completed and must be repeated.

CHECK FILES ERROR

The hard disk content does not correspond to the specifications. Carry out update to correct. If the error occurs immediately after updating, either the hard disk or its cable is defective.



Troubleshooting

Fault	Cause	Remedy
Touch screen only functions partly.	Connection cable from touch screen to PC defective (the part that is connected to the PC).	Replace connection cable.
MEMORY TEST FAIL at start-up.	Memory defective.	Replace PC.
White screen	<ul style="list-style-type: none"> • Graphic card defect. 	Replace the graphic card
Touch screen does not work after exchanging the PC	<ul style="list-style-type: none"> • Possibly not calibrated. 	⇒ Calibrate the touch screen (press red button on the machine, go to operator mode).
Touch screen cannot be calibrated properly	<ul style="list-style-type: none"> • Missing data in touch controller buffer. 	Change touch screen controller or the complete touch
Touch screen does not work and/or LED on the rear side of the PC is flashing	<ul style="list-style-type: none"> • Touch screen controller or touch screen cable is defect. 	Check cable between touch screen and controller, exchange defect controller or exchange PC.
No function	<ul style="list-style-type: none"> • The main plug is not plugged in. • The main switch is not on. • Fuse is burnt. 	Plug in main plug. Switch on main switch. Install new fuse.
No picture	<ul style="list-style-type: none"> • Net cable not connected to monitor. • Video connection not plugged in. • Monitor defect. 	Check power supply of monitor and connections. Plug in video connections. Exchange monitor.
No sound	<ul style="list-style-type: none"> • Volume controller is not turned on. • Audio cable is not connected • Loudspeaker defect. 	Turn up volume. Plug in audio cable. Exchange loudspeaker.



Fault	Cause	Remedy
Coins are counted wrongly	<ul style="list-style-type: none"> • Wrong value programmed 	⇒ Check program setup
Inserted coins fall through	<ul style="list-style-type: none"> • No power at coin acceptor • Dirty coin acceptor • Coin channel not programmed • Coin acceptor defect 	⇒ Check power supply ⇒ Clean coin acceptor ⇒ Change programming ⇒ Exchange coin acceptor
Low coin acceptance	<ul style="list-style-type: none"> • Coin acceptor is dirty 	⇒ Clean coin acceptor
Low bill acceptance	<ul style="list-style-type: none"> • Bill reader is de-calibrated 	⇒ Calibrate bill-reader
Error message on the screen "Program Error (hard disc)", no more credits will be accepted; no more action is possible from the player; operator invention is required!	<ul style="list-style-type: none"> • Integrity check at startup failed. 	⇒ An update has to be performed with an update disk with the same version by an authorized person. After that the Critical Memory will be restored from the data's in the FRAM (if they are correct) to the hard disk. If the error remains, the hard disk is defect and must be changed (see below).
In this case, mostly the machine will not work anyway.	<ul style="list-style-type: none"> • Hardware error of HDD 	⇒ Hard disk have to be changed by an authorized person only with a hard disk containing the same version or with a new hard disk but then an update has to be performed on the machine with an update disk containing the same version. After that the Critical Memory will be restored from the data's in the FRAM (if they are correct) to the hard disk.
A "blue screen" will be shown and the machine stops immediately.	Hardware error of FRAM	⇒ I/O Controller card have to be changed by an authorized person only. After that the "Critical Memory" will be restored from the data's on the hard disk (if they are correct) to the FRAM on the new I/O Controller card.



GBA HR1 Bill Acceptor Maintenance

ATTENTION:

Calibration paper is no longer included in the machines.

Calibration is done by programming a new dataset, cleaning the machine and allowing the machine to warm up for a time specified by TAB Austria.



Periodical Cleaning

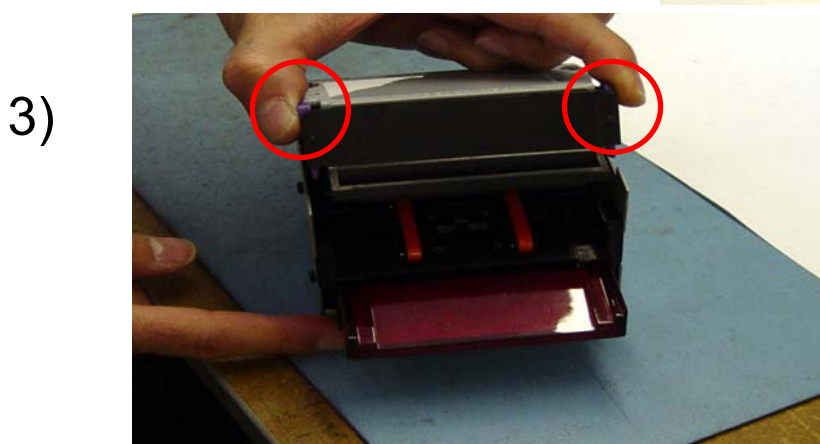
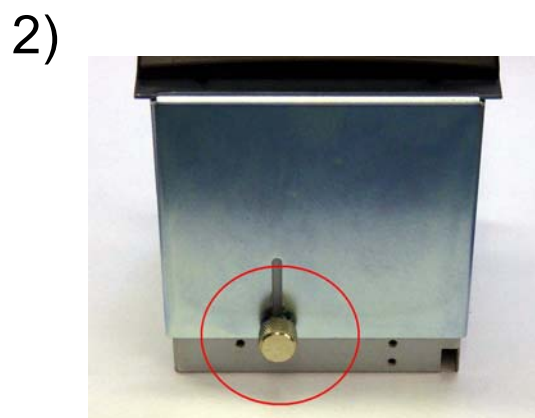
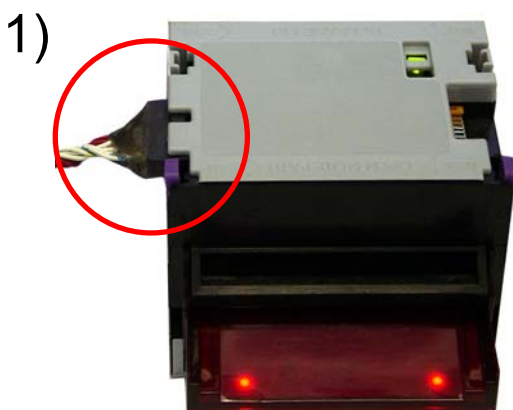
Depending on the environment and amount of use, the HR1 currency validator may require routine maintenance to restore optimum performance.

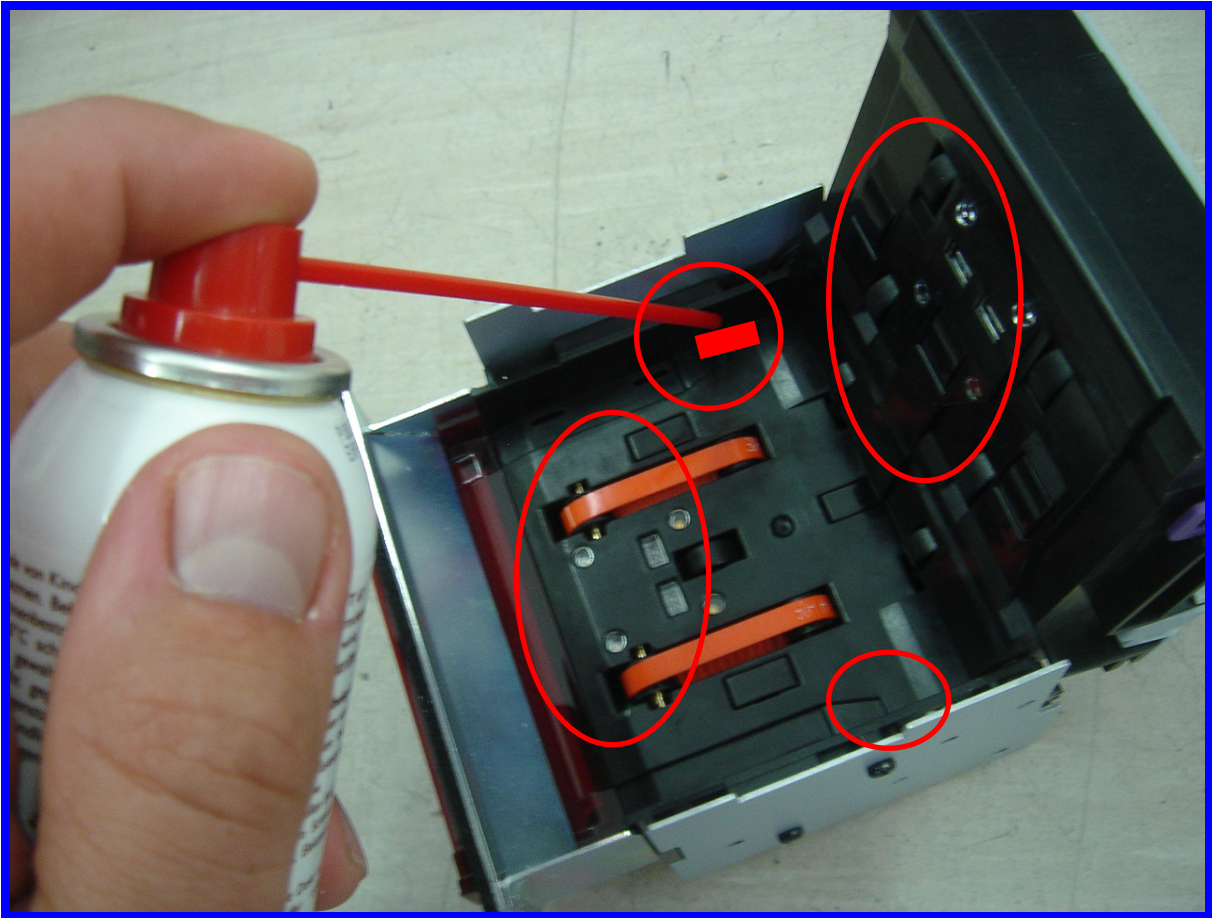
Under normal use, the currency validator should be checked every **2 to 4 months**.

For unusual operating conditions, such as when the currency validator is exposed to a smoky environment, dirt, dust, water spray, airborne oil, and/or sand, more frequent maintenance is required.

Cleaning Process

- 1) Power down the currency validator and disconnect the 20 pin cable from the left side of the currency validator.
- 2) Loosen the thumbscrew and remove the currency validator from its mounting frame.
- 3) Open the currency validator by squeezing the two purple clips and opening the unit.



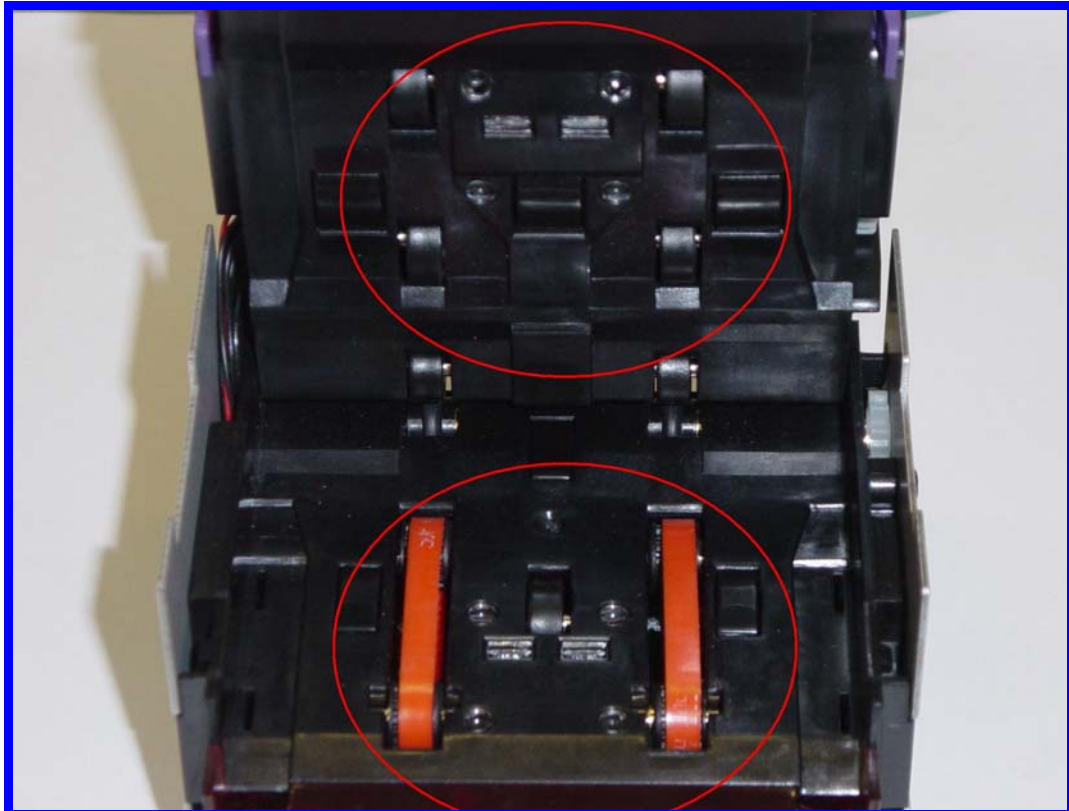


Use the provided compressed air (under compliance of the instruction -> do NOT rotate the spray more than 30°) to blow away any debris from the surface area of the note path making sure you clean out any dirt from the OASG lens apertures.

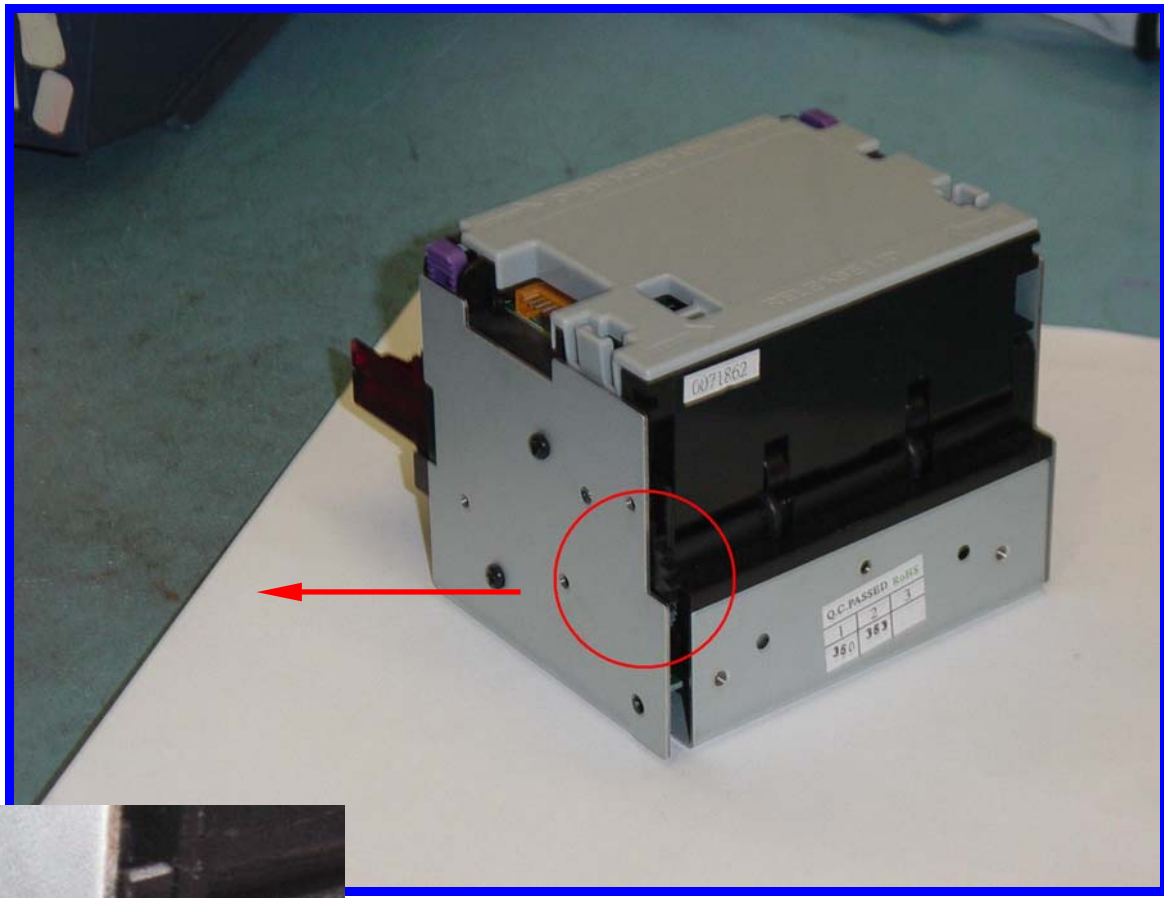


Please use a soft, lint-free cloth dampened with a weak solution of washing fluid and water to clean the following areas....

Wipe the upper and lower note paths, the belts, and the top and bottom pinch wheels of note path.

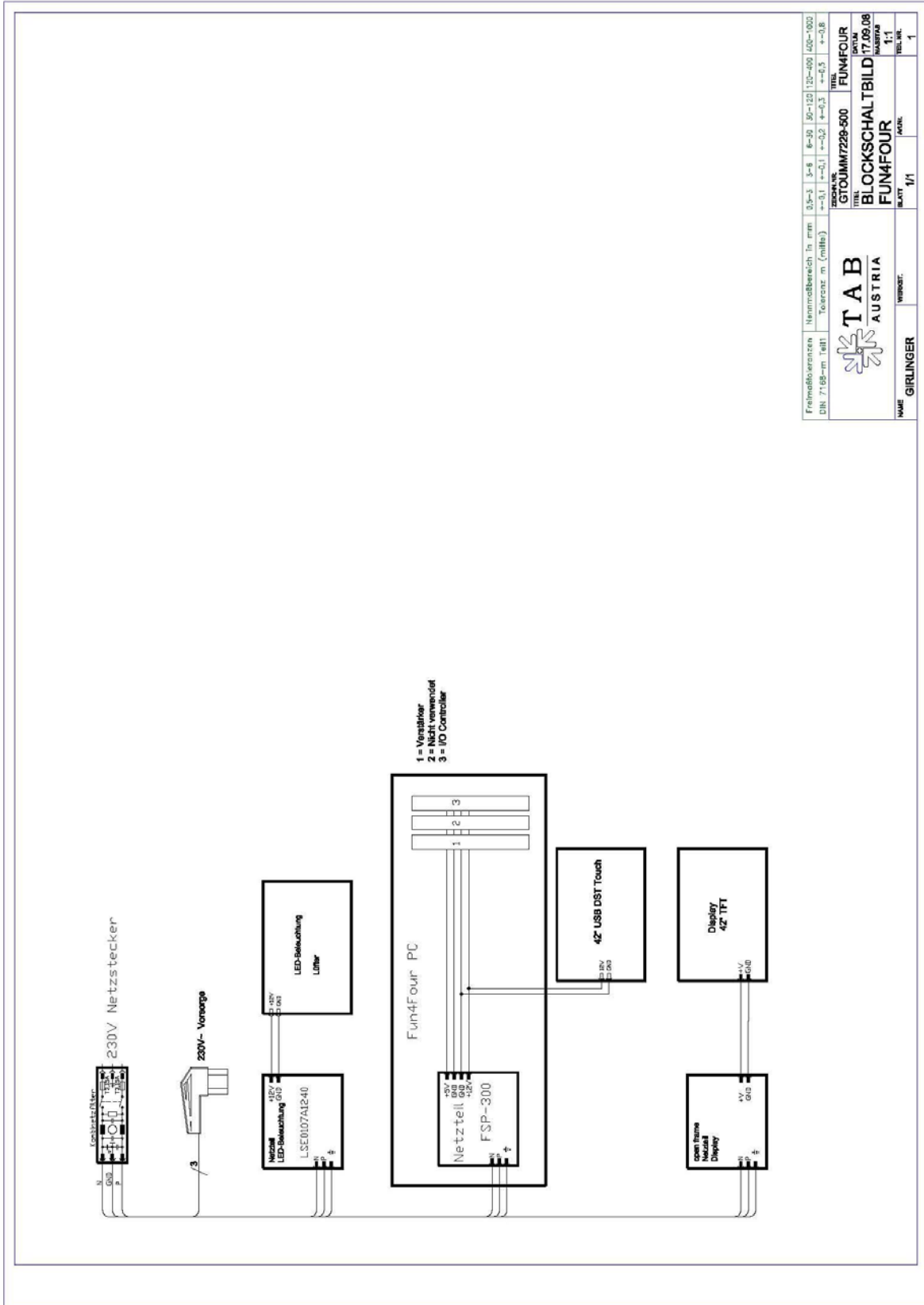


To rotate the belts for cleaning turn the gear at the rear of the validator.





Cable Plan



Freimaßbohrungen DIN 7182-m Teil1	Nennmaßbereich in mm Toleranz m (mitfe)	0,5-3 ±0,1	3-6 ±0,1	6-30 ±0,1	30-120 ±0,2	120-400 ±0,3	400-1000 ±0,5
		TAB AUSTRIA		BLOCKSCHALTBILD FUN4FOUR		FUN4FOUR SERIAL BLOCKSCHALTBILD 17.09.08 MAßSTAB 1:1	
NAME GIRLINGER		VERZÄHRT 1/1		BLATT 1		TITELBLATT 1	



Declaration of CE conformity



EU-Konformitätserklärung

Dokument-Nr.: QZ 1000/072/01/170908

Hersteller: TAB AUSTRIA
Industrie- und Unterhaltungselektronik GmbH & Co KG

Anschrift: Haider Straße 40
A-4052 Ansfelden
Österreich
Tel.: 07229/78040-0, Fax: 07229/78660

Produktbezeichnung: Spielautomataautomat
Type: FUN4 FOUR

Das bezeichnete Produkt stimmt mit den Vorschriften folgender Europäischer Richtlinien überein:

Richtlinie: 73 / 23 / EWG
Richtlinie des Rates zur Angleichung der Rechtsvorschriften der Mitgliedstaaten, betreffend elektrischer Betriebsmittel zur Verwendung innerhalb bestimmter Spannungsgrenzen, geändert durch RL 93 / 68 / EWG.

Richtlinie: 89 / 336 / EWG
Richtlinie des Rates zur Angleichung der Rechtsvorschriften der Mitgliedstaaten über die elektromagnetische Verträglichkeit geändert durch die RL 91 / 263 / EWG, 92 / 31 / EWG, 93 / 68 / EWG und 93 / 97 / EWG.

Die Übereinstimmung des bezeichneten Produktes mit den Vorschriften der Richtlinien wird nachgewiesen durch die Einhaltung der relevanten Abschnitte folgender Normen:

Harmonisierte Europäische Normen:	Dokumentbezeichnung	Ausgabedatum
	EN 55022	1998
	EN 55024	1998
	EN 60950	2000
	EN 61000-3-2	2000
	EN 61000-3-3	2000

Ausstellender Bereich: GF

Geschäftsführer: Ing. Siegfried Dattl

Ort, Datum: Ansfelden, am 17. September 2008

Rechtsverbindliche
Unterschrift / Stempel:



Die Erklärung bescheinigt die Übereinstimmung mit den genannten Richtlinien, beinhaltet jedoch keine Zusicherung von Eigenschaften. Die Sicherheitsanweise der mitgelieferten Produktdokumentation sind zu beachten!



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- **Customer Remedies.** Manufacturer's and its suppliers' entire liability and your exclusive remedy shall be, at Manufacturer's option, either (a) return of the price paid, or (b) repair or replacement of the SOFTWARE that does not meet the above Limited Warranty and which is returned to Manufacturer with a copy of your receipt. This Limited Warranty is void if failure of the SOFTWARE has resulted from accident, abuse, or misapplication. Any replacement SOFTWARE will be warranted for the remainder of the original warranty period or thirty (30) days, whichever is longer.
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**Warranty terms by TAB-AUSTRIA Industrie und
Unterhaltungselektronik
Gesellschaft m.b.H. & Co KG**

(Tab hereinafter)

We are granting a warranty for this machine under the following conditions:

Insofar as the “General Terms of Business of TAB-AUSTRIA Industrie- und Unterhaltungselektronik GmbH & Co KG” are not modified by the following, which sets out the conditions and scope of our warranty performance, these terms will continue to apply without change.

The warranty period for our products from delivery is:

- 24 months for all Silverball Terminals (Silverball Strato, Silverball Strato Max, Silverball Cosmo, Silverball Cosmo Max, Silverball Pro, Silverball Max Pro, Silverball Beetle Pro, Silverball Beetle Max Pro)
- 24 months for Max Fire, Max Fire Video, Virtual Pinball, Golden Island, Fun4Four
- 12 months for all other products, particularly betting terminals
- Six months for all spare parts; however, if a warranty period of more than six months still obtains for the machines, this period will apply in its entirety to the spare part.

The warranty will only be granted for new products by TAB, not for their spare parts, not for products of different brands and manufacturers and corresponding spare parts. No warranty is granted for used products either.

In accordance with the following provisions, we shall repair defects to the machine that have been demonstrably caused by a material and/or manufacturing fault which already existed at the time the product was handed over, and which was reported within 14 days of it becoming apparent to our sales partner or the first end user while still within the warranty period. No warranty is assumed for used machines.

The warranty exclusively covers such components that are essential to operating the product. It does not include easily damaged parts or wearing parts, such as, for example, glass, plastic or light bulbs. Minor deviations from the desired composition insignificant to the value and usability of the machine will not result in any warranty obligations. Damage caused by physical, chemical, electrical or electrochemical or other effects not related to the customary dedicated use will not result in any warranty obligations; neither does damage caused by water or abnormal environmental conditions or inappropriate operating conditions. Also, no warranty can be assumed for machine defects caused by transport damage for which we are not responsible, incorrect installation and assembly, incorrect use, non-observance of operating or assembly instructions or lack of care.

The warranty claim becomes void if repairs or interventions have been carried out by the customer himself/herself or by persons who were not accordingly authorized or who were not authorized by us or in the event of our machines being fitted with spare, supplementary or accessory parts that are not original parts, or if parts have been removed.

The warranty performance will be made in such a way that defective components will at our discretion be repaired or replaced with faultless components free of charge unless improvement or exchange are impossible or would result in for us unreasonable cost. In

such cases, a reduction in price or, in the event of not only a minor defect, cancellation of sale may be claimed.

Machines for which a warranty performance is being claimed on the basis of this warranty must be handed over or sent to us. Repairs at the installation site are not possible. The customer will bear transport costs and the transport risk.

Exchanged parts will become our property.

Warranty performances will neither result in an extension of the warranty period nor will they initiate a new warranty period.

Further or other claims (in particular claims for damages suffered beyond the machine) are excluded insofar as liability is not mandatory by law.

These warranty terms apply to machines purchased and operated in Austria. They apply to machines conveyed to other countries only insofar as they possess the technical requirements (e.g. voltage, frequency, etc.) for the corresponding country, have been officially approved for use there and are suited to the individual climate and environmental conditions.

The TFT LCD display consists of more than 1,000,000 Thin-Film Transistors (TFT). A small amount of missing, black, or luminous points is characteristic for TFT LCD technology. The warranty performance will be granted if more than 15 missing, black, or luminous points are present.



In case of any irregularities in the machine, please check power and all plug-in connections!

In case you cannot remove an error, please call our hotline:

Call +43-7229-780 40 – ext. 250



Notes