



InterCafe 2008

Manual for Coin Acceptor

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Important Notice:

The software is constantly being expanded and improved. Therefor it is possible that this manual is not yet showing all functions of the software. Please inform yourself about new versions of the manual on our homepage www.blueimage.de. The blue image GmbH Germany assumes no liability for the correctness of this documentation.

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Chapter 1

Installation of Coin Acceptor

1.1 Installation of USB coin acceptor with CCTalk

1.1.1 EMP-800.14 USB

Drivers For the installation of this coin acceptors you need to download drivers. Download the drivers by using the following link:

http://www.internetcafe-software.de/download/drivers/EMP800_USB_driver.zip.

Save the drivers to a folder on your computer where you can find them again later (e.g. on the desktop). Unpack the Zip-file there.

The EMP-800.14 (wh Münzprüfer Berlin) already comes with a USB cable. Attach the cable to the USB port of your computer. The Windows Hardware Assistant will appear. Select the option *Choose software from a list* and select the folder to which you have saved the drivers before (e.g. your desktop). Click on *Finish* to complete the installation. Now the Windows Hardware Assistant will appear again. Proceed with the second part of the installation by performing the same steps again.

Power supply The coin acceptor gets power through the USB port. Depending on the mainboard of the computer the power of the USB port may not be sufficient for the verification of the coins. In this case a separate power supply is needed which supplies enough power for the coin acceptor.

1.1.2 Other coin acceptors with CCTalk interface

Please follow the instructions given by the manufacturer of the coin acceptor.

1.2 Installation of MDB coin acceptor

1.2.1 EMP-800.13 with COM-400

The EMP-800.13 of wh Münzprüfer Berlin has a MDB connection to the COM-Port of the computer. The coin acceptor gets power through a separate power supply. Connect the MDB-interface to the COM-port adapter of the computer. Connect the power supply to the COM-400 interface and then to the power outlet (in this order).

1.2.2 Other coin acceptors with MDB interface

Please follow the instructions given by the manufacturer of the coin acceptor.

1.3 Installation of LPT coin acceptor

Coin acceptors with LPT connection are also called *parallel coin acceptors*. They are being connected to the LPT port (printer port) of the computer.

1.3.1 EMP-800.04 with LPT-cable

The EMP-800.04 of wh Münzprüfer Berlin connects to the parallel port of the computer. For the power supply you need to connect the yellow cable to the plug. Then connect the plug to the power unit inside the computer (connect the yellow cable to the yellow cable of the power unit). Connect the other end of the yellow cable to the LPT-cable of the coin acceptor. It is recommended to fix the plug of the yellow cable to the computer case. Connect the bigger plug of the LPT cable to the parallel port (printer port) of the computer. Connect the LPT cable to the corresponding plug at the coin acceptor.

Bios Settings The modus of the parallel port needs to be set to EPP. To control and change these setting you need to press the **Entf** or the **F2**-key when the computer is booting (depending on the BIOS).

Note: If the coin acceptor was not bought from blue image you need to double check if the impulse length is long enough so that no coin values can be lost. Contact the manufacturer or blue image for verification or reprogramming if necessary.

1.3.2 Ohter coin acceptors with LPT-cable

Please follow the instructions given by the manufacturer of the coin acceptor. Please double check if the impulse length is long enough so that no coin values can be lost. Contact the manufacturer for verification or reprogramming if necessary.

1.4 Installation of Impulse coin acceptor

1.4.1 EMP-800.04 with impulse-cable

The EMP-800.04 of wh Münzprüfer Berlin with impulse protocol is being connected to the serial port of the computer. Connect the power plug of the impulse cable to the power unit of the computer. Connect the nine-pole plug to the computer and the ten-pole plug to the coin acceptor.

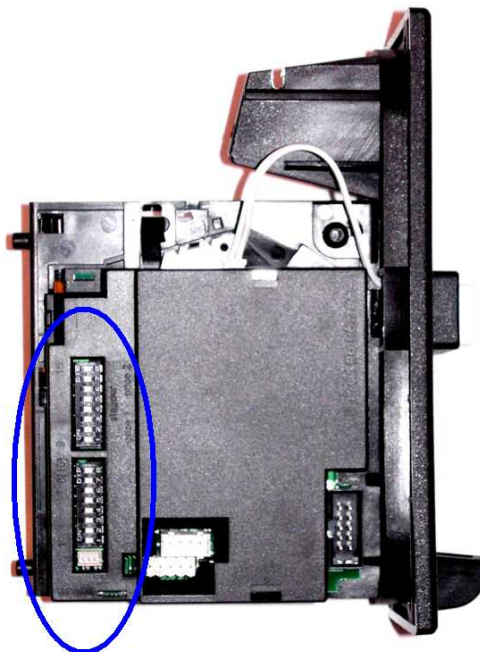
1.4.2 Other coin acceptors with impulse-cable

Please follow the instructions given by the manufacturer of the coin acceptor.

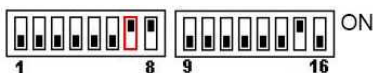
Chapter 2

Special Settings for WH coin acceptors

This chapter shows some special settings that can only be used for WH coin acceptors by using the dip switches (Small switches on the case of the coin acceptor). These settings are special settings that are not necessary for the regular use of the coin acceptors!



2.1 Setting of Margins



The coin acceptors offer three margins: wide, narrow and very narrow. Using the *very narrow* margin it might happen that coins with a slight damage or coins that show intense use might not be accepted by the coin acceptor. With the *wide* margin these coins will be accepted - but this also increases the risk of counterfeit or false coins or similar coins of other currencies being accepted. The number of the dip switch for the settings of the margin is indicated for each coin in a list on the table of the coin acceptor. If the dip switch for a coin is being set to "ON" the corresponding margin will be *switched off*.

Example: If the dip switch No. 4 is set to "ON" the *narrow* margins for the EUR 0,50 to EUR 2,00 EUR are switched off. Since the *narrow* margins automatically include the *wide* margins only coins that pass the *very narrow* margins will be accepted.

2.2 Blocking of Coins

		X				U			
0,10 EUR	1	2		2	0,20 CHF	9	10		10
0,20 EUR	1	3		3	0,50 CHF	9	11		11
0,50 EUR	1	4		5	1,00 CHF	9	12		12
1,00 EUR	1	4		6	2,00 CHF	9	13		13
2,00 EUR	1	4		7	5,00 CHF	9	14		14
					TK 15	15			15
					TK 16	16			16

If you want to block single coins (for example EUR 0,10) you can change these settings directly at the coin acceptor. For the EMP-800.13 and the EMP-800.14 you can additionally block coins by changing some settings in the software.

To block coins directly at the coin acceptor you need to set the corresponding dip switch of the coin canal to "ON". The number of the dip switch is being indicated in the column X on the label of the coin acceptor. On the label in our illustration this would be dip switch number 2 for the EUR 0,10 coin. In the standard setting all dip switches are set to "OFF" which means that all coins are being accepted.

2.3 Configuration of the Teach Mode

All coin acceptors that you buy from blue image automatically have two *Teach Mode channels*, channel 15 and 16. These are indicated on the label on the coin acceptor as *TK15* and *TK16*. You can program additional coins or tokens on these two channels. When selecting the channel with the dip switches only changes *after* the activation of the configuration modus through dip switch number 8 will be considered. It is not necessary to set all dip switches to "OFF" before starting with the configuration.

2.3.1 Programming coins and tokens

This example below describes the programming of the teach mode channels. You want to program the channels 15 and 16 with two different tokens (type 1 and type 2). Prepare at least 10 pieces of each type of token for the calibration. You cannot program coins or tokens that are already programmed on one of the other channels.

- Set the dip switches No. 15 and No. 16 to OFF.
- Activate the configuration mode by setting the dip switch No. 8 to ON.
- Select the margin by setting the dip switch No. 7 to the correct position (for example ON for narrow margins)
- Set the dip switch No. 15 for channel 15 to ON.
- Insert at least ten different coins of type 1 into the coin acceptor.

- Set the dip switch No. 15 back to OFF.
- The magnet of the coin acceptor will be activated for a short time if the calibration was successful.
- Set the dip switch No. 16 for channel 16 to ON.
- Insert at least ten different coins of type 2 into the coin acceptor.
- Set the dip switch No. 16 back to OFF.
- The magnet of the coin acceptor will be activated for a short time if the calibration was successful.
- Determine the teach mode function by setting the dip switch No. 8 back to the position OFF.

If the magnet is being activated once or not at all when setting the dip switch for the channel back to the OFF position, the calibration was not successful. The reason could be that another channel is already programmed with this type of coin or that not enough different coins have been inserted for the calibration.

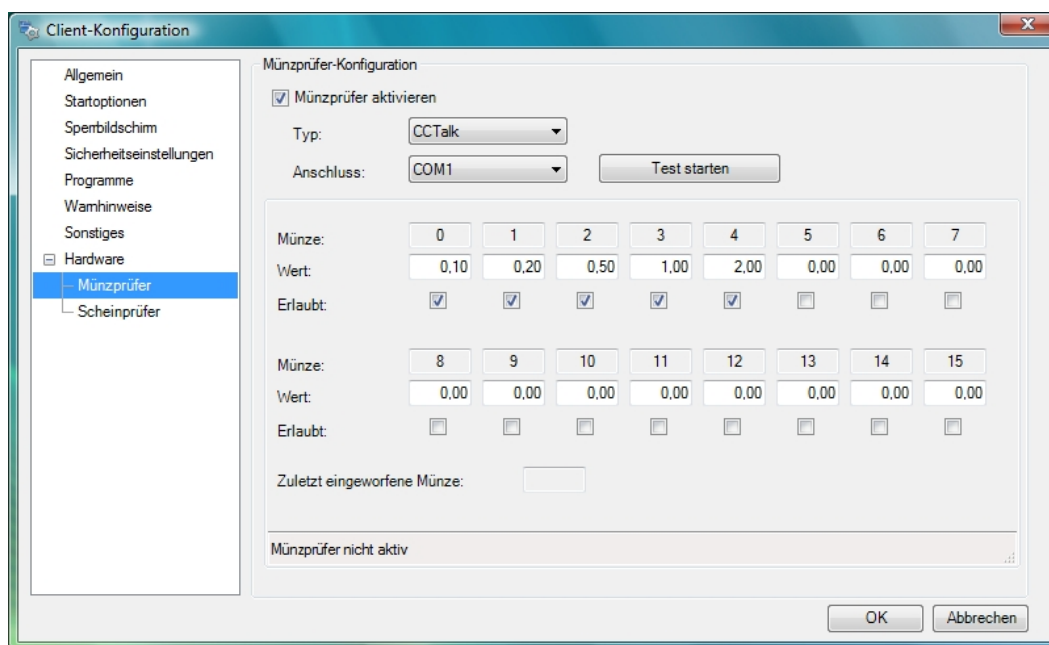
In this case repeat the calibration (you might use a different set of coins this time) and choose narrow margins.

Beside Euro currency and tokens you can also program coins of other currencies.

Chapter 3

Settings in the Software

Go to the Client Configuration at the Client computer and select *coin acceptor* in the menu on the left side. Activate the option *activate coin acceptor*.



3.1 Protocol Type and Connection type

Select the *Type* of the coin acceptor protocol from the following options:

- MDB-Bus: for coin acceptors with MDB protocol (e.g. EMP-800.13 with COM-400)
- LPT-Bus: for coin acceptors with LPT protocol (e.g. EMP-800.04 with LPT cable)
- CCTalk: for coin acceptors with CCTalk protocol(e.g. EMP-800.14 with USB cable)
- Impuls Serial: for coin acceptors with impulse protocol (e.g. EMP-800.00 with impulse cable)

Select the COM port or LPT port to which the coin acceptor is connected. In most cases this is the *COM 3*.

Click on *Start test* to check if the selected options are the correct ones. If they are correct, the status will show OK in the status bar.

3.2 Configure coins

Insert the coins that you wish to configure. The corresponding channel will be marked in the list when inserting a coin. Enter the value of the coin in the main currency and activate the option *Allowed*.

3.3 Block coins

If you wish to block coins (for example "small" values such as EUR 0,10 and EUR 0,20) you can do this by using the dip switches at the coin acceptor. You will find a description of how to use the dip switches in the chapter *Special Settings for WH coin acceptors* in this manual.

Chapter 4

Frequently Asked Questions

The coin acceptor cannot be initialised. What can be done?

The error *EMP cannot be initialised* means that the computer cannot communication with the coin acceptor. Please double check the following:

- Double check all plug connections and unplug und plug them in again.
- Close the Client Software as well as other programs that might block the connection to the coin acceptor.
- Has the right COM port been selected as connection type in the Client Configuration? If necessary try others, too.
- Double check if the drivers for the coin acceptor have been successfully installed. If necessary install them again.
- Double check if the coin acceptor is being displayed in the Device Manager of windows (System Control) and if a COM port has been assigned to it. If not, reconnect the coin acceptor, install the drivers again and follow the instruction given on the screen.

The coin acceptor does not accept any coins

Double check if the coin acceptor accepts coins in the client configuration. To do so close the Client Software and start the Client Configuration. Click on *Start test* and insert a coin. If the coin is not being accepted you need to double check the settings for the type and the connection (try different COM ports). Before you insert a coin, click on *Start test*. If necessary install the drivers again.