



InterCafe 2004

Manual for Coin Acceptor

InterCafe 2004

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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

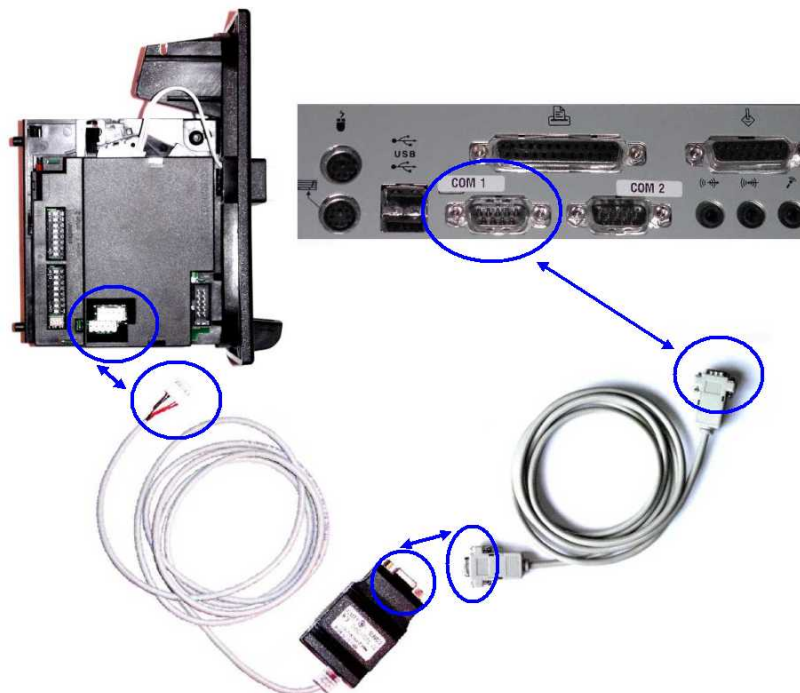
Installation of Coin Acceptor

Before installing the coin acceptor please shut down the computer and disconnect all cables from the power!

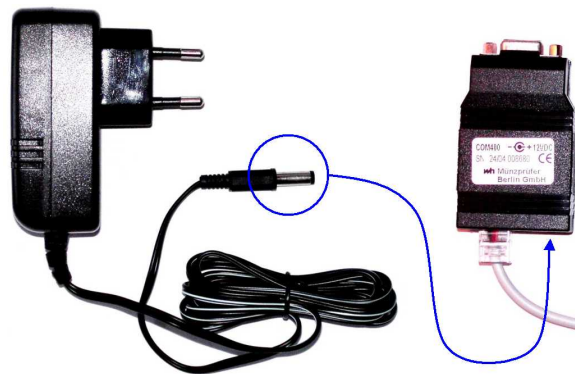
1.1 Installation of MDB coin acceptor

1.1.1 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):



1.1.2 Other coin acceptors with MDB interface

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

1.2 Installation of LPT coin acceptor

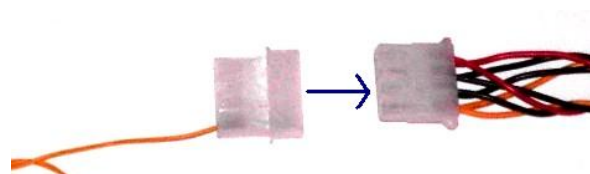
Coin acceptors with LPT connection are also called *parallel coin acceptors*. They are being connected to the LPT port (printer port) of the computer.

1.2.1 EMP-800.04 with LPT-cable

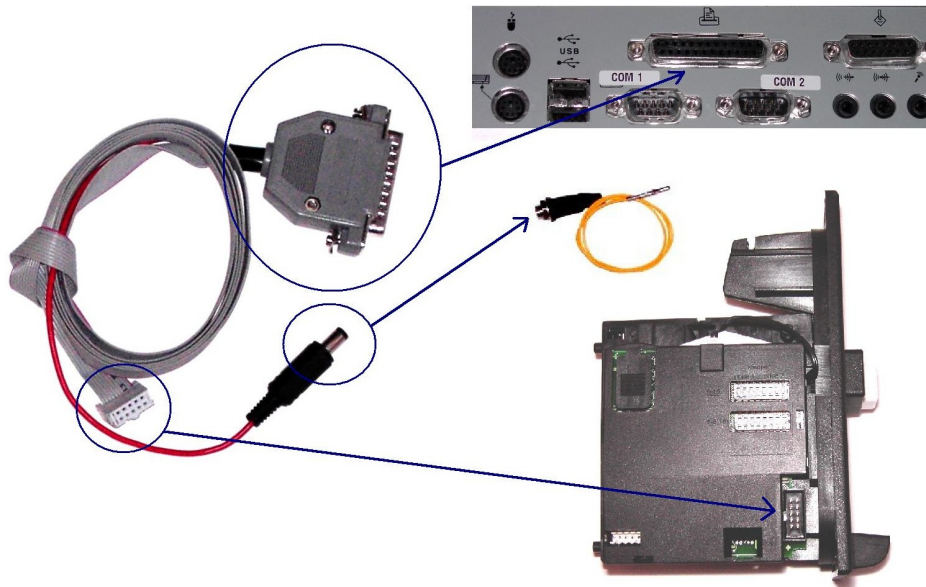
The EMP-800.04 of wh Münzprüfer Berlin connects to the parallel port of the computer. For the power supply you need to connect the yellow cable to the plug as shown in the following picture:



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.

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.

1.2.2 Other 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.

1.3 Installation of Impulse coin acceptor

1.3.1 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.

1.3.2 Other coin acceptors with impulse-cable

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

1.4 Installation of USB coin acceptor with CCTalk

1.4.1 EMP-800.14 USB

The EMP-800.14 of wh Münzprüfer Berlin already has a cable with a USB plug attached to the coin acceptor. Connect the cable to the USB port of the computer. The coin acceptor will get power from the mainboard of the computer through the USB port. Depending on the mainboard this power supply might not be sufficient for the correct identification of the coins. In such a case you should use an additional power supply to ensure the continual supply of power to the coin acceptor.

For the installation of this coin acceptor you need to download the following drivers:

www.blueimage.de/download/drivers/USB-TREIB_com300.zip

1.4.2 Other USB coin acceptors

Please follow the instructions given by the manufacturer of the coin acceptor and install corresponding drivers if necessary.

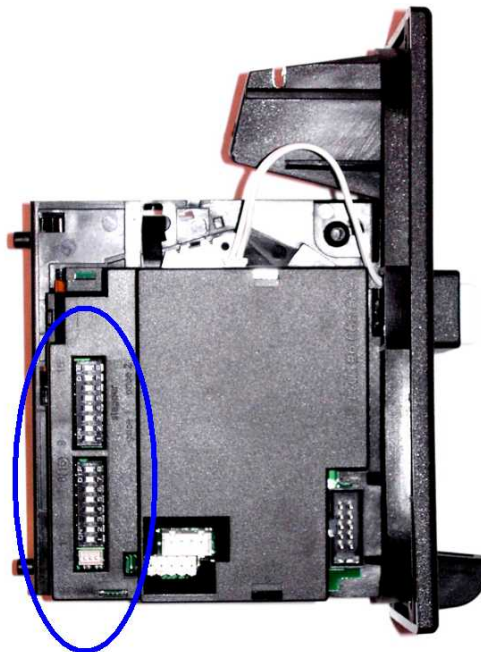
1.4.3 Other CCTalk coin acceptors

Please follow the instructions given by the manufacturer of the coin acceptor and install corresponding drivers if necessary.

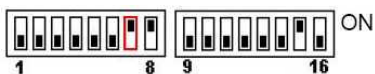
Chapter 2

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 label 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

The image shows a label for the EMP 800.04 v5 coin acceptor. It features the logo for 'wh Münzprüfer Berlin GmbH' and a CE mark. The label contains a table of settings for various coins and two teach mode channels (TK15 and TK16). The table has columns for coin type and value, and columns for dip switch settings (1-16). The settings are as follows:

Coin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
0,10 EUR	1	2						01								
0,20 EUR	1	3						02								
0,50 EUR	1	4	5	5				03								
1,00 EUR	1	4	6	6				04								
2,00 EUR	1	4	7	7				05								
0,20 CHF									9		10	10	06			
0,50 CHF									9		11	11	07			
1,00 CHF									9		12	12	08			
2,00 CHF									9		13	13	09			
5,00 CHF									9		14	14	0A			
TK 15										15				15	0E	
TK 16															16	0F

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.

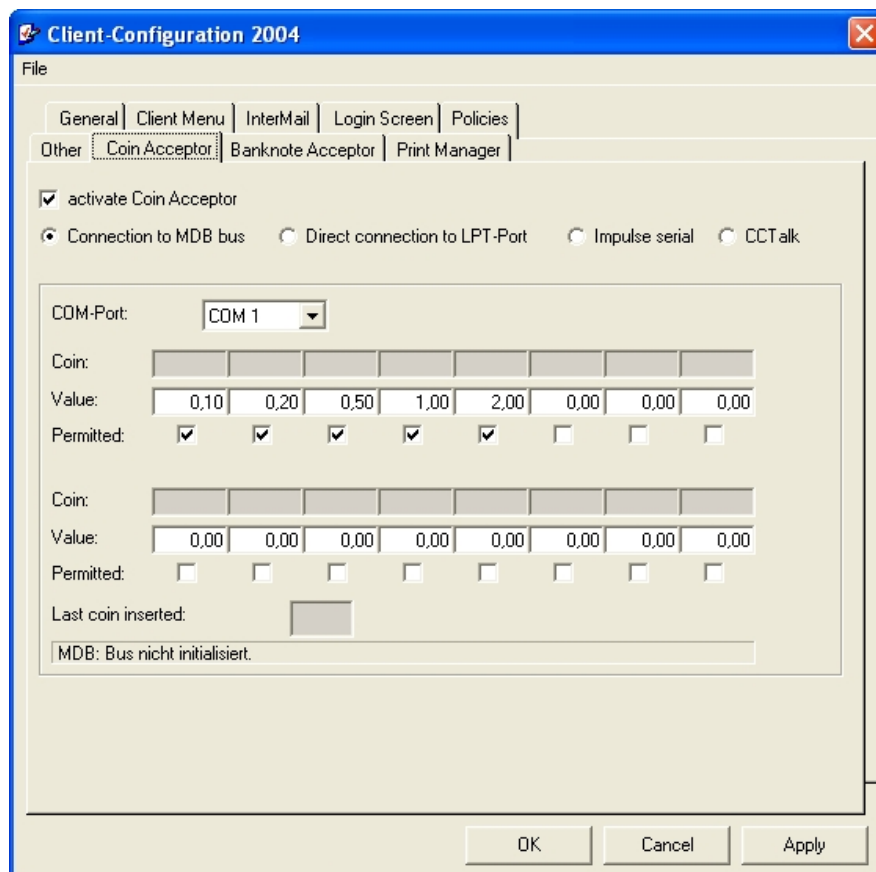
In this case repeat the calibration (you might use a different set of coins this time) and choose narrow margins.

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

Chapter 3

Settings in the Software

3.1 General coin acceptor settings



Go to the Client Configuration at the Client computer and choose *coin acceptor*. If using the kiosk version please go to *Settings* → *Client Configuration* → *Configure Kiosk Software*. Activate the option *activate coin acceptor*.

If the correct type of connection (port) has been selected and the coin acceptor was identified by the software the corresponding channel will be marked in the list when inserting a coin. If you insert a coin and there is no channel being marked please double check if the cable of the coin acceptors is correctly plugged in and if the correct port has been selected.

3.2 Settings for MDB coin acceptors

Choose *Connection to MDB bus*. Select the COM port to which the coin acceptor has been connected. If the coin acceptor is correctly connected and ready for operation the status bar will show OK.

Insert the coins that you wish to configure. Enter the value of the coin in the standard currency and activate the option *Allowed*.

Note: InterCafe Version 2004.0.57 and newer can identify the CCTALK-coin acceptor of wh Münzprüfer Berlin on the MDB interface.

3.3 Settings for LPT coin acceptors

Choose *Direct connection to LPT port*. Select the LPT port to which the coin acceptor has been connected.

Insert the coins that you wish to configure. Enter the value of the coin in the standard currency. If you wish to block coins (for example "small" coins 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*.

3.4 Settings for Impulse coin acceptors

Choose *Impulse Serial*. Select the COM port to which the coin acceptor has been connected. Insert the coins that you wish to configure. Enter the value of the coin in the standard currency. If you wish to block coins (for example "small" coins 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*.

3.5 Settings for USB coin acceptors with CCTalk

3.5.1 EMP-800.14 USB

Choose *CCTalk*. Select the COM port at which the USB port is connected in Windows. Usually this is *COM3*. If the coin acceptor is correctly connected and ready for operation the status bar will show OK.

Insert the coins that you wish to configure. Enter the value of the coin in the standard currency and activate the option *Allowed*.

Note: InterCafe Version 2004.0.57 and newer can identify the CCTALK-coin acceptor of wh Münzprüfer Berlin on the MDB interface.

3.5.2 Other USB coin acceptors

Install drivers for the coin acceptor if necessary and choose *CCTalk*.

3.5.3 Other CCTalk coin acceptors

Choose *CCTalk*. Select the COM port to which the coin acceptor has been connected. Insert the coins that you wish to configure. Enter the value of the coin in the standard currency and activate the option *Allowed*.

Chapter 4

Frequently Asked Questions

What is the difference between EMP-800.13 and EMP-800.04?

The coin acceptor EMP-800.13 allows a configuration of the coins in the software. It is connected to the COM port by using the COM-400 interface. Coins are only accepted when the software has unlocked the coin acceptor (this avoids the inserting of coins while the PC is booting). This coin acceptor needs a separate power supply. This model is recommended for the use of computers with games and for the Payment Terminal. The coin acceptor EMP-800.04 can only be programmed by using the dip switches at the coin acceptor itself. It is connected to the parallel port (printer port) of the computer. Coins are being accepted as soon as the coin acceptor has power. The power supply comes from the power unit of the computer. This model should not be used on old computers and computers with games because coin values might get lost if the performance of the computer is reduces (for example when using games).

The MDB coin acceptor cannot be identified. What can be done?

The status bar of the configuration will show a detailed error message. The error message *MDB: Bus not initialised* means that the COM-400 could not be found. Double check the COM port settings and that all cables have been connected correctly.

The error message *EMP cannot be initialised* means that the computer can connect to the COM-400 but the connection to the coin acceptor itself failed. Double check if the cable has been connected correctly to the coin acceptor.