

# Six Payment Services



Card payment with [SIX Payment Services \(last accessed on 24.10.2018\)](#).

PC CADDIE can work with SIX Payment Services AG card payment terminals (formerly known as SIX Card Solutions AG, and Telekurs until 2008). This means that the payments from the PC CADDIE cash register are transferred directly to the terminal. Vice versa, PC CADDIE knows immediately whether the payment is successful and what type of card was used (Visa, MasterCard, Maestro, Postcard, ...), and can book accordingly.

## TWINT payment App

If you would like to enable TWINT to your customers, the PC CADDIE POS software can accept this booking via the integrated SIX payment terminals that have a display. Customers receive a QR code when they collect their money at the SIX payment terminal, which they then scan with their smartphone via their TWINT app. The procedure at the payment terminal is exactly the same as for card payments.

Connecting TWINT is very easy, according to SIX-Payment Services. We will gladly assist you in the maintenance of your technical PC CADDIE equipment (additional costs depending on service offer) or we advise you on the integration of SIX-Payment Services into your PC CADDIE cash register.

In order to use contact less payment, your customers must have an account with one of the bank providers, such as: UBS, Zürcher Kantonalbank, PostFinance, RAIFFEISEN, CREDIT SUISSE, BCV and many others, and install the TWINT payment app on their smartphones.

Source: [TWINT.ch \(last accessed on 24.10.2018\)](#)

PC CADDIE supports the QR code variant, i.e. numbers with QR code. The prerequisite for this is a terminal that can read the QR code (see [https://www.six-payment-services.com/dam/download/manuals/TWINT/110042401\\_MA\\_TWINT\\_Usermanual\\_CHE\\_DE\\_opt.pdf](https://www.six-payment-services.com/dam/download/manuals/TWINT/110042401_MA_TWINT_Usermanual_CHE_DE_opt.pdf) ).

PC CADDIE does not support the BEACON variant. This works via RFID.



As of 07/19

## Changeover

In order to use an existing SIX Card Solutions terminal with PC CADDIE, a „Changeover contract“ must be ordered and signed by SIX Card Solutions. Keywords for the inquiry with SIX Card Solutions are: **Cash register operation** and **MPD**. SIX Card Solutions requires the full address of the club and the ID for the card payment terminal. The terminal ID is usually written on a sticker on the top of the terminal and consists of 8 digits.

## Models

The models **DaVinci**, **Yomani**, **Xenta** and **Xentissimo** are supported.

We have a very good experience with **DaVinci**.

**Xentissimo** can only be used with PC CADDIE if it is operated via WLAN. The GSM variant cannot be integrated into the cash register. Please be aware that a very reliable, uninterrupted WLAN connection is essential for smooth operation.

Just to be on the safe side, please consult the [Support](#) for other devices.

## Repeat receipt printing

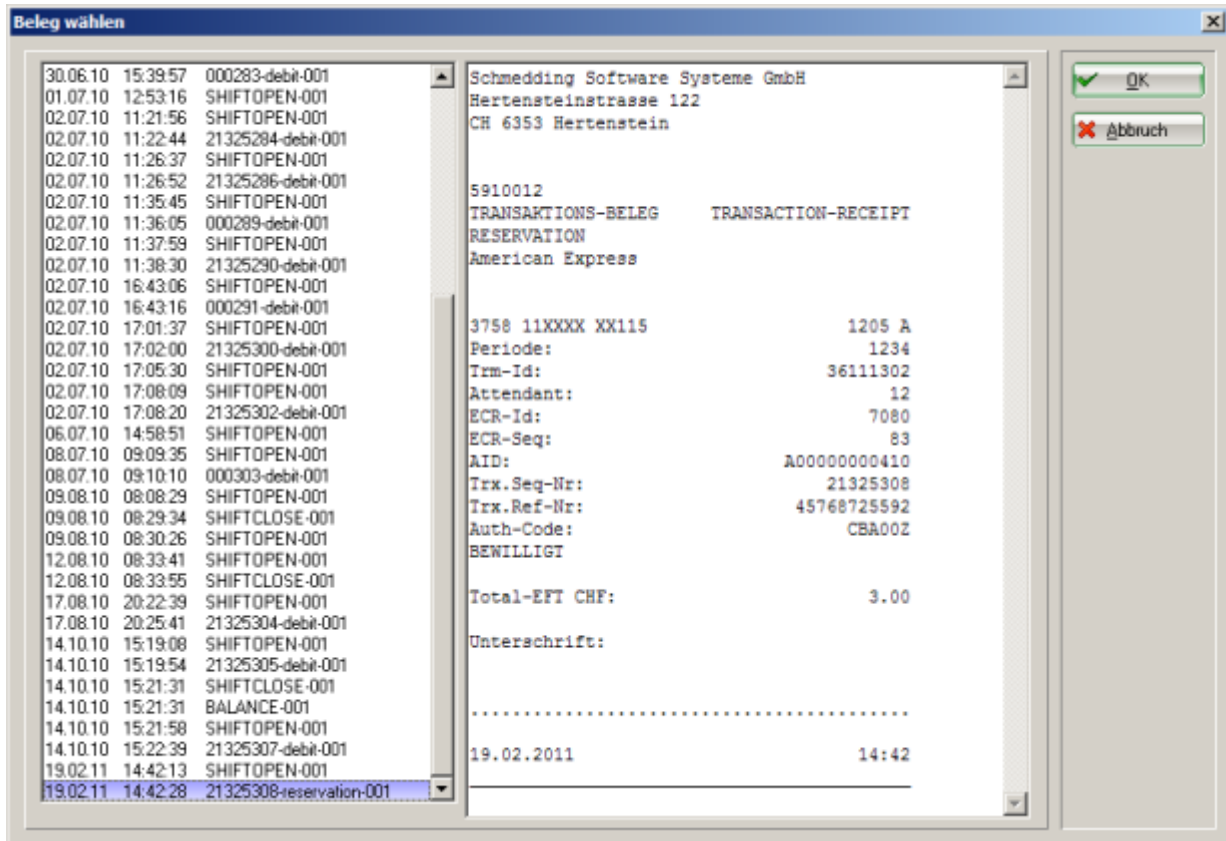
At the cash register **F4 F6**.

Or *Setup / Program Options / Card payment / Repeat receipt printing F8*.

If the *Card payment* menu is missing, you are either in a wrong account area (for example, CLUB instead of SALES) or the card payment interface is not enabled on this workstation. In the latter case please change to a cash register and try again.

HINT: If you press and hold down the [Shift key](#) when clicking the *Repeat receipt printing* you will see the receipts of all the card payment terminals (all cash registers and self-check terminals).

If you hold down the [Shift key](#) key until the window with the documents shown below appears, the terminal ID is also displayed in the list, on the left side, after the time.

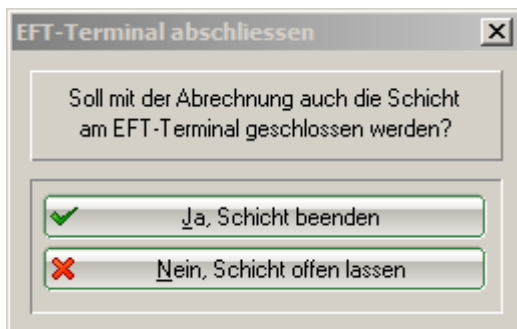


The daily closing documents are marked with the English term *BALANCE* in the list in the left half of the window.

The right half of the window shows a preview of the document.

## Shift documentation

If an EFT terminal has been set up by SIX Card Solutions, then PC CADDIE will also ask you for a shift end in the case of [Bediener-Abrechnung](#).



Schmedding Software Systeme GmbH  
Hertensteinstrasse 122  
CH 6353 Hertenstein

SCHICHTENDE

Act-Id: 216  
Attendant: 12  
ECR-Id: 7080

Maestro-CH CHF 1 283.00

PostCard CHF 1 1'152.20

TOTAL CHF 2 1'435.20

00.00.2000 00:00

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## Installation

### Connect terminal

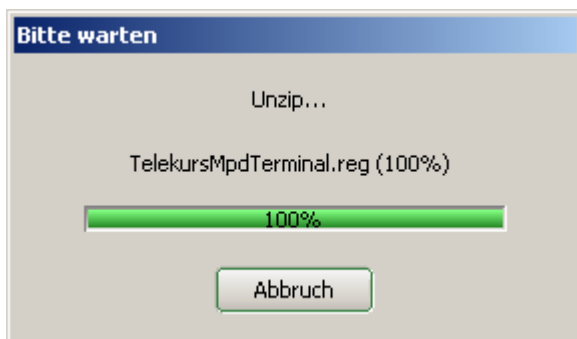
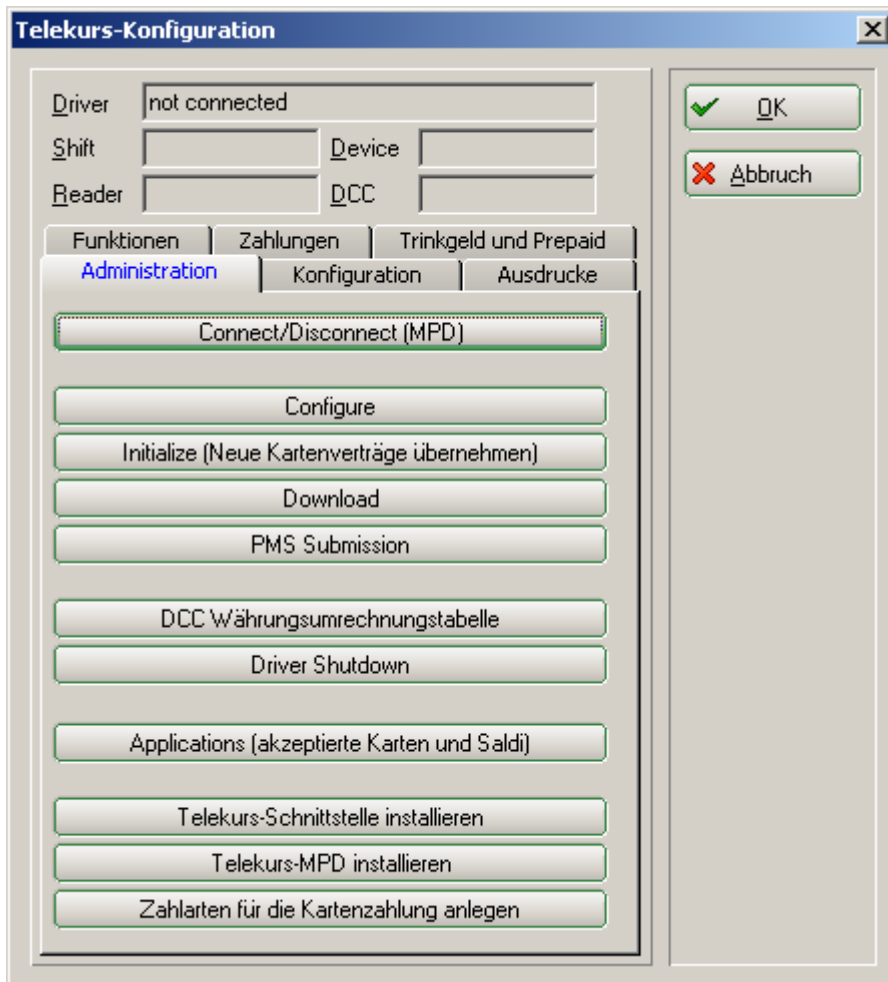
The terminal is usually connected to the LAN (Ethernet). In exceptional cases, it can alternatively be connected to a serial interface of the cash register PC.

LAN (Ethernet)	Serial (RS232)
The driver software MPD (Multi Protocol Driver) of Six Card Solution has to be installed on the server PC (if one exists). If there is no server PC, then the MPD can alternatively be installed on the cash register PC. Of course, the terminal can only be used from PC CADDIE if this PC is running.	The driver software MPD (Multi Protocol Driver) of Six Card Solution must be installed on the PC to which the terminal is serially connected.

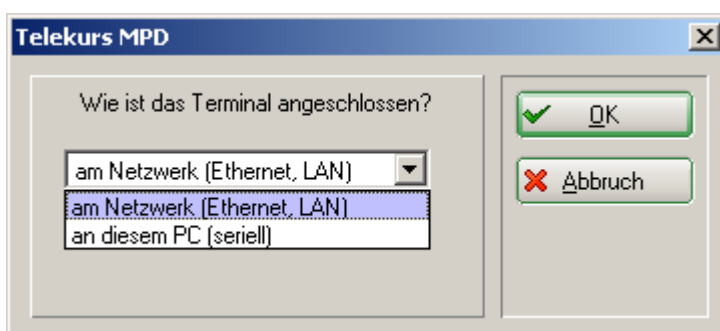
### Install MPD

Change to the desired area in PC CADDIE, on the dedicated PC, for example **SALES**. Then call the Telekurs settings dialog via the macro „tk“. (This dialog can also be later accessed via **Setup / Program Options / Card Payment**.)

Go to the **Administration** tab and press **Install MPD Telekurs**.



! If the shift key is held while pressing **Install MPD Telekurs**, the file is copied from the server again. Otherwise, the file is copied only if it has never been loaded.



Here you can now select how the terminal is connected.



If you make a mistake here, for example, with the COM port, you can simply repeat the installation of the MPD later and make different settings. The EFT-MPD service is restarted automatically and thus the new settings are adopted.

```
C:\WINDOWS\system32\cmd.exe
Version 01.06.013
EFT Multiprotocol Driver wurde erfolgreich beendet.
Ein Unterverzeichnis oder eine Datei mit dem Namen "C:\Programme\Telekurs Card Solutions AG\EFT Multiprotocol Driver" existiert bereits.
Ein Unterverzeichnis oder eine Datei mit dem Namen "C:\Programme\Telekurs Card Solutions AG\EFT Multiprotocol Driver\Trace" existiert bereits.
    1 Datei(en) kopiert.
    1 Datei(en) kopiert.
EFT Multiprotocol Driver wird gestartet.
EFT Multiprotocol Driver wurde erfolgreich gestartet.
Drücken Sie eine beliebige Taste . . .
```

It is important that the penultimate line says: EFT Multiprotocol Driver has been started successfully. (The middle lines look slightly different when first installed.)

## PC CADDIE Telekurs interface

The interface must be installed at every cash register PC that is to be able to access a Telekurs terminal.

### Install interface

Call the Telekurs Settings dialog. Switch to the tab Administration and **Install Telekurs Interface**. (The file eftapi.dll should now be in the program directory of PC CADDIE.)

### Configuration

Switch to the configuration tab: (macro: EFT)

**EFT/POS Telekurs-Konfiguration**

Driver: 127.0.0.1, SYNC  
 Shift: OPEN Device: OPEN  
 Reader: EMPTY DCC: NO DCC

Funktionen | Zahlungen | Trinkgeld und Prepaid  
 Administration | **Konfiguration** | Ausdrucke

**Telekurs an dieser Station verwenden**

Sprache: de Deutsch  
 Kasse (0-9999): 7080 Betreuer (0-9999): 0  
 Adresse des Computers an dem das Terminal angeschlossen ist (IP oder Hostname, evtl. :Port)  
 Driver Address: 127.0.0.1  
 Terminal-ID: 12345678  
 Währung: EUR

Trinkgeld buchen erlaubt  
 Kartenterminal-Kassenschnitt bei Kassenschluss  
 Automatischer Kassenschnitt: 00:00  
 DCC Direct Currency Conversion verwenden  
 Customer payes amount in his foreign currency, merchant gets amount in his local currency. Conversion is made by Telekurs. This option is only possible on ep2 terminals, when DCC option is configured on this terminal

Konfigurations-Datei MPD (eftdvs.cfg)

OK  
 Abbruch

- **Thick Use Telekurs at this station.**

A number between 0 and 9999 must be entered in the Cashier and Supervisor field. These numbers are printed on the receipts and stored in PC CADDIE's log files. They have no functional significance for PC CADDIE. (For example, the maintainer ID has nothing to do with the PC CADDIE users.)

The Driver Address must contain the IP address of the PC running the MPD. This is usually the address of the server. If the MPD is running locally on the cash register PC that is currently being configured, the loop device 127.0.0.1 can also be specified.

- **Cash register** should be filled in with the cash register number from the PC CADDIE cash register default setting, especially if there is more than one cash register. If a different EFT cash register number (ECR ID) is not set on each cash register, the shift end receipts will not be correct.
- **ID of the terminal** should always be filled in with the terminal ID, even when there is only one terminal. The terminal ID is written on a sticker at the top of the terminal and has 8 digits. In addition, Telekurs will provide the terminal with a Terminal ID configuration page upon delivery.
- **Tip booking allowed** is only relevant for payments with credit cards. If it is activated, a line for tipping appears on the receipt, provided there are corresponding card contracts. This is usually only used with gastro-cash registers.
- **Card terminal-cash register cut-off at cash-desk closing Card terminal-closeout balancing** automatically triggers a cash-desk cut of the card terminal when closing the PC CADDIE cash register. Only with the cash point cut of the card terminal, the data of the last transactions are transmitted to Telekurs and the cash flow is triggered.

- **Automatic cash register cut-off** triggers a daily cash desk cut-off of the card terminal at the selected time, provided transactions have been made since the last cash desk cut-off. The entry 00:00 deactivates this option.
- **DCC** allows customers to pay with foreign currency cards in their own currency. In this case, the conversion is made by Telekurs and not by the card issuer. If the option is activated, there are corresponding contracts with Telekurs, and a customer pays with a foreign currency card, PC CADDIE displays a window with the exchange rate and the amount in the foreign currency. The cashier here again has the opportunity to force a payment in own currency. It can also be paid without DCC with foreign currency cards. The only difference is that then the customers do not see how much they will be charged in their currency.
- **Configuration File MPD (eftdvs.cfg)** opens the said configuration file with Notepad. As a rule, this should not be changed by hand. PC CADDIE creates the file when installing the MPD. Changes to the file do not take effect until the EFT MPD service is restarted.

## Payment methods

### Create

First, change to the desired account range, for example, **SALES**. Then call the Telekurs settings dialog via **Setup/Macros** and enter tk. Click on the button **Administration** and **Create payment methods for the card payment**.

### Cash register

Enter **Card payment <TK>** under **Setup/Program Options/Cash register-payment**. Additional payment methods, such as **Maestro CH <TK>**, **Mastercard <TK>**, etc. are used by PC CADDIE to post the booking, after payment, via the specific type of card used. This information is obtained by PC CADDIE from the terminal. Therefore, always choose the payment method **Card payment <TK>** in the cash register, and PC CADDIE then makes the allocation.

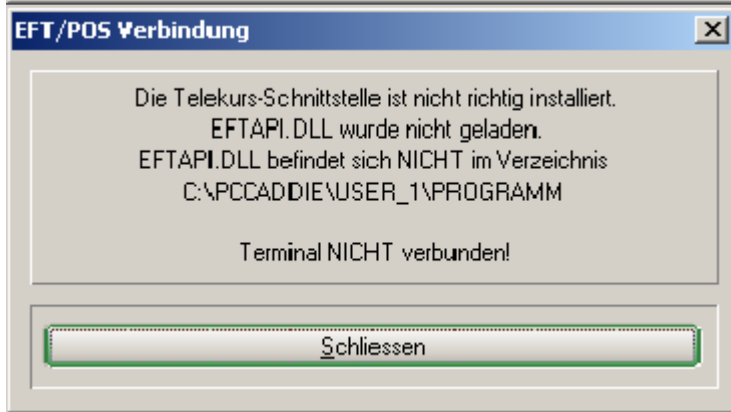
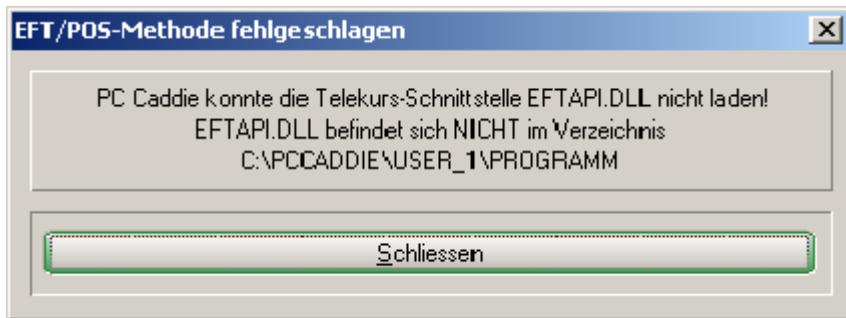
### Restart PC CADDIE

Only after restarting PC CADDIE (macro *res*) the card payment can be used at the cash register. Then there are also new menu items under **SALES** (*Card payment*, *Card credit* and *Card terminal cashier*) and *Card payment* under **Setup/Program Options**.

### Check if the installation was successful

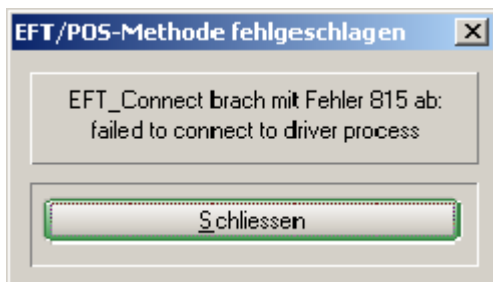
In the desired area (for example **SALES**) call the Telekurs settings dialog. Go to the *Administration* tab and click *Connect/Disconnect (MPD)*.





PC CADDIE could not load the Telekurs interface EFTAPI.DLL.  
The EFTAPI.DLL file should be in the PROGRAM directory of PC CADDIE.

Alternatively, it works if it is in the C:\Windows\System32 directory.

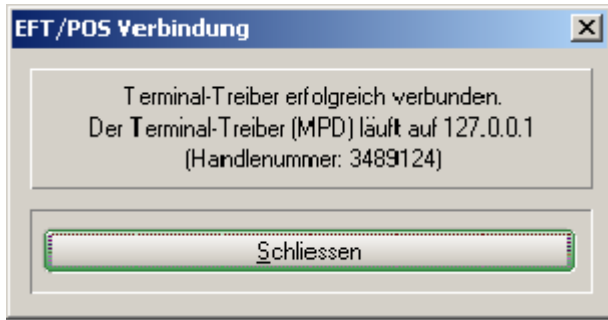


PC CADDIE could not reach the MPD. (The message also tells us that EFTAPI.DLL was successfully loaded.)

- Check the address of the driver.
- Check if the MPD service is running. PC CADDIE Macro **srv** or **Start/Execute/services.msc**.

END-Client	Verwal END-...	Gestartet	Automatisch	Netzwerkdiens...
Erstellungsschritte	Leit. de Data...	Gestartet	Automatisch	Lokales System
EFT Multiprotocol Driver		Gestartet	Automatisch	Lokales System
Ereignisprotokoll	Ereignisse d...	Gestartet	Automatisch	Lokales System
ExtEng	Intel Event T...	Gestartet	Automatisch	Lokales System

- Check if the PC is reachable with the MPD (for example with ping) and if the port 8137 is open on this PC, if the Windows firewall (or another firewall) is switched on there.



PC CADDIE has been able to reach the MPD.

If that worked out, you can, for example, call applications (accepted cards and balances). There should be a list of payment methods (e.g., VISA, Postcard, Maestro, etc.) for which contracts are activated. If the list does not meet your expectations: the terminal retrieves the list of accepted cards from the Telekurs server with Initialize (accept new card contracts).

Finally, a payment and a cancellation of the same should finally show that everything is OK. (If it does not work out from the PC CADDIE cash register, you can also call the functions directly from the configuration dialog.



This goes completely unnoticed by the PC CADDIE cash register! Just as if the payment/cancellation were triggered by hand at the terminal, without PC CADDIE.)

## Firewalls / Ports

PC CADDIE tries to configure the Windows Firewall during the installation of the MPD. Usually there is no need for manual adjustments. PC CADDIE reports if the firewall could not be configured (for example, no admin rights).

### Backgrounds

The MPD mediates between PC CADDIE and the card terminal. PC CADDIE and the Terminal never communicate directly with each other, but both turn to the MPD, which forwards the requests and answers.

PC CADDIE connects to the MPD (Multi Protocol Driver) via TCP. The standard port is **8137**.

The MPD is waiting for a connection from the terminal via TCP or COM. If a COM port is to be used, it must be entered in `eftdvs.cfg`. Port **8138** must be reachable when using TCP.

PC CADDIE and MPD do not necessarily have to run on the same PC. If not, the IP of the PC with the MPD must be entered in PC CADDIE under **Setup/Program Options/Card Payment**.

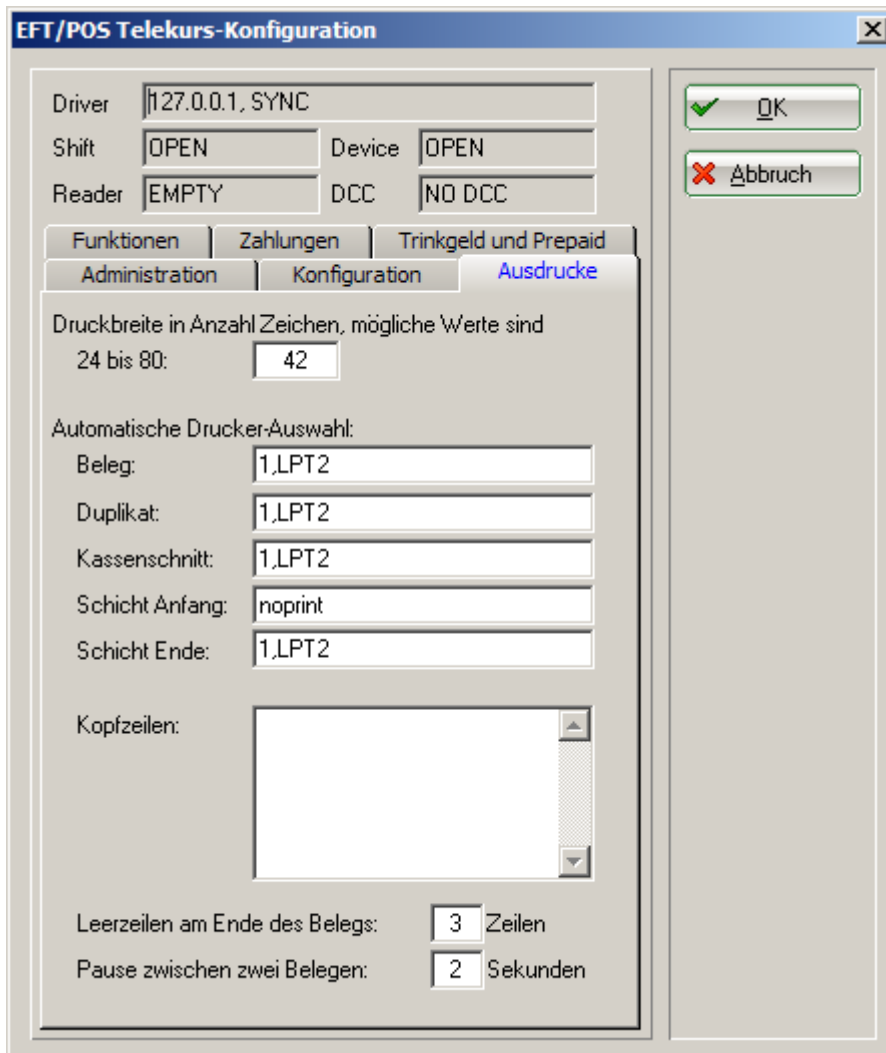
The terminal connection to the MPD via COM or TCP must be selected during the setup of the terminal. The selection can only be changed by a terminal reset. This requires two passwords (usually requested from the Telekurs support).

If the terminal is to communicate with the MPD via TCP, they must be in the same subnet, as the terminal looks for the MPD with broadcasts.

The terminal needs access to the internet. In the case of serial connection, the PC to which the terminal is serially connected needs access to the Internet.

## Printouts

In the desired area (for example **SALES**), call the Telekurs settings dialog. So PC CADDIE **Setup/ Program Options/ Card Payment** or Macro *tk*. Select the tab **Printouts**.



## Printer

If nothing is entered in a printer selection field, attempting to print opens the usual PC CADDIE print dialog with the printer selection. If direct printing is required, the printer must be specified here. A name part is enough. The number after the semicolon ; determines which button of the PC CADDIE Print dialog should be automatically pressed.

	What is printed?
<b>Receipt</b>	The normal receipt
<b>Copy</b>	Second receipt for credit cards with signature

	What is printed?
<b>Cash register cut-off</b>	Paid terminal cash register cut-off usually made with <a href="#">Daily balance</a> gemacht. Contains the totals per card type since the last cash register cut-off.
<b>Shift</b>	The shift end slip also contains the totals per card since the last shift start. Can be made with the <a href="#">User balance</a> .

**noprint** or **0** can also be entered in each printer selection field, to completely suppress the printing of this category.

Examples of printer selection:

<b>LPT2;1</b>	Windows driver is used
<b>1,LPT2</b>	PC CADDIE driver is used
<b>TTP7030;1;TERMINAL</b>	Printer name;Simulate the 1st button;Layout name
<b>noprint</b>	nothing is printed
<b>0</b>	nothing is printed
	The printer selection dialog appears every time

## Header

The Telekurs default header can be replaced with customized headers. The default header is very limited in the number of characters, for example, terms such as „Schmedding Software Systeme“ or „Hertensteinstrasse 122“ would not be completely printed. A customized header entered here is not implicitly limited. If the field is left blank, the default header will be printed by Telekurs.

## Blank lines and breaks

Blank lines at the end of the document and breaks between two documents are intended for receipt printers that do not cut the receipts automatically, so that there is enough space and time to tear off the receipts by hand.

## Protocol/ LOG files

Both the SixCardSolution MPD and PC CADDIE log the communication with the terminal.

If the support of SixCardSolution asks for LOG files, they **always** mean the LOG files of the MPD. SixCardSolution cannot do anything with PC CADDIE's LOG files.

PC CADDIE does not store unencrypted card numbers.

## PC CADDIE

Every payment, cancellation, log-on, log-out, cash register cut-off are saved by PC CADDIE in separate LOG files. These are typically saved under

C:\PCCADDIE\Telekurs\

There is a subdirectory for each terminal (each terminal ID). The DEFAULT directory is used if PC CADDIE does not know the terminal ID, because it was not entered in the configuration. In this case, please complete the configuration.

These LOG files do not contain credit card numbers. The plain text number is not forwarded by the MPD to PC CADDIE. The LOGs are necessary for PC CADDIE to know the transaction number in case of a cancellation, or for a later tip booking.

## SixCardSolution

The MPD's logs can usually be found under

C:\Programme\Telekurs Card Solution AG\Trace

This can be set in the file *eftdvs.cfg*, which can be called from the [Konfiguration](#) in PC CADDIE.

## Error messages

### 101 Data connection timeout



The MPD (a software from [SIX Card Solution](#)) cannot communicate with the terminal. The terminal does not answer? There can be different reasons:

- Does the terminal ID entered in PC CADDIE match the number on the label on the terminal?
- Is the terminal connected to a power source?
- Is the terminal correctly [networked](#)? (LAN or RS232)
- Is the Port 8138 blocked by the [Firewall](#)?
- Is the terminal [initialised](#)?
- For existing terminal conversions: Has the SIX Card Solutions configured the terminal for cash register integrated operation?
- It is possible that the terminal needs a software update. Please contact the [SIX Card Solution](#).
- Is the terminal in the same subnet as the MPD server? (The terminal tries to find the server via broadcast messages.)

### 202 Device used by other ECR

The terminal says it is already in use by another cash register.

PC CADDIE works with 1: 1 allocations between cash registers (PC CADDIE) and terminal.

Possible causes for this error message:

- It is possible that two cash registers have the same terminal ID entered under *Setup/Program*

### Options/Card payment .

- This may happen if a cash register PC got a new IP without PC CADDIE being terminated before the IP changed (and thus without PC CADDIE (the cash register) having logged out of the terminal).

Solution:

1. Check terminal IDs of all PC CADDIE cash registers - all should be unique. The correct ID is on the back of the terminals.
2. Close PC CADDIE.
3. Disconnect the terminal from the power supply, wait approx. 15 seconds and reconnect.
4. Wait for the terminal to fully start (display of the card symbols).
5. Start PC CADDIE.

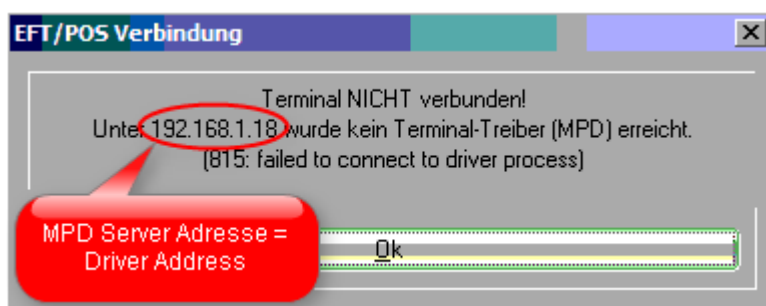
If this doesn't help:

1. Close PC CADDIE.
2. Restart the Terminal Driver Service (MPD) in the Windows Services. This service is usually called *EFT Multiprotocol Driver*, but the name may differ.
3. Start PC CADDIE.

## 804 Transaction not prepared

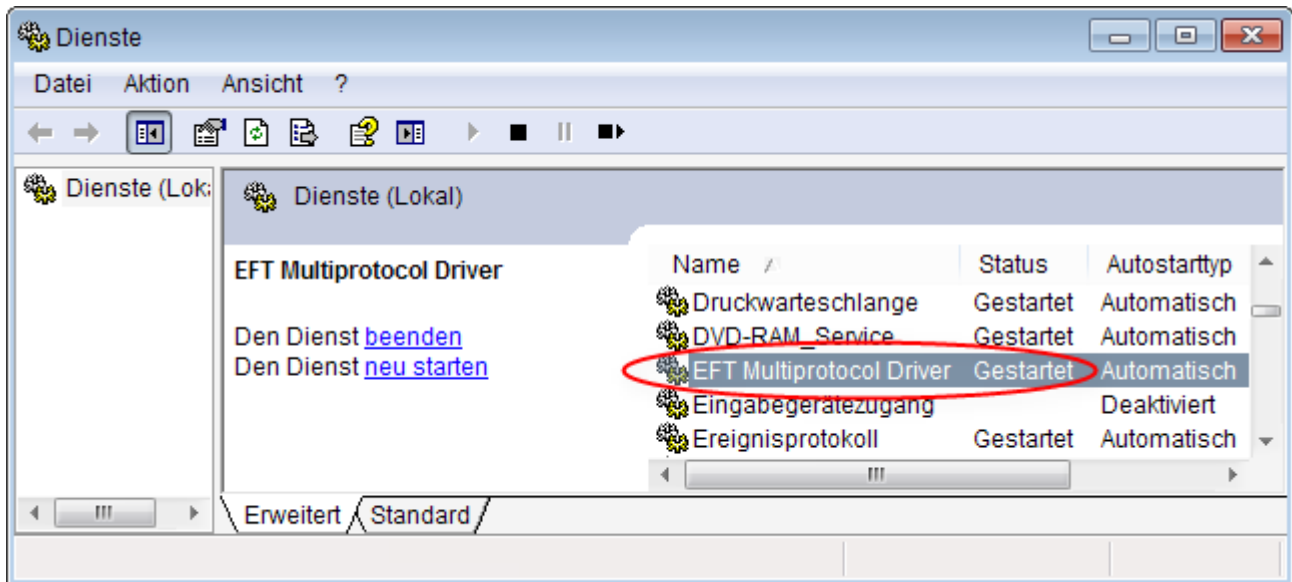
If this message appears at greenfee sales to self-service terminals, check whether rules for the time and place are stored in the timetable. If there are no rules or if there is no green fee item defined, the self-service terminal does not know what amount to collect. Therefore, no payment is started, the above error message is generated by the payment terminal, and the customer gets the green fee for free.

## 815 Failed to connect to driver process



*Terminal NOT connected!* PC CADDIE could not reach the MPD at the specified address. Possible causes:

- Please check whether the address of the MPD ([Driver Address](#)) is correctly entered in PC CADDIE (macro eft) and bear in mind that these settings are area-dependent. They must be checked in all areas where the terminal is used (for example, SALES, SHOP, ACCUEIL, PROSHOP). So call the eft macro in each of these areas.
- Check if the MOD is running on the specified computer. To do this, look in the [Services](#) (PC CADDIE macro srv) for *EFT Multiprotocol Driver*.

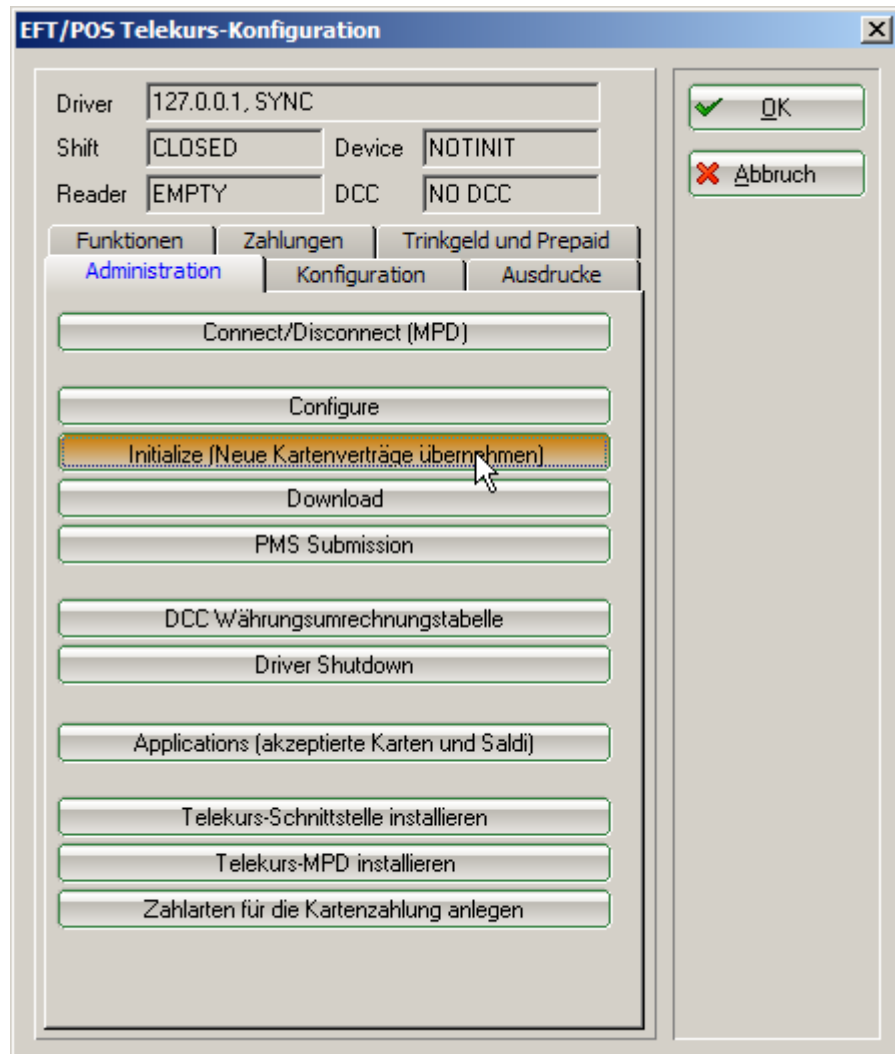


- The PC acting as MPD server must have a fixed IP (no DHCP). To determine its IP, you can run the macro *cmd* in PC CADDIE and then type *ipconfig* or *ipconfig /all* in the opened black window and press Enter.
- A [Firewall](#) blocks the port 8137.

## Initialize

If the terminal does not respond and the error *101 Data connection timeout* appears in PC CADDIE, it may be necessary to re-initialize the terminal.

Start the initialization via **Initialize (take over new card contracts)** in the configuration dialog

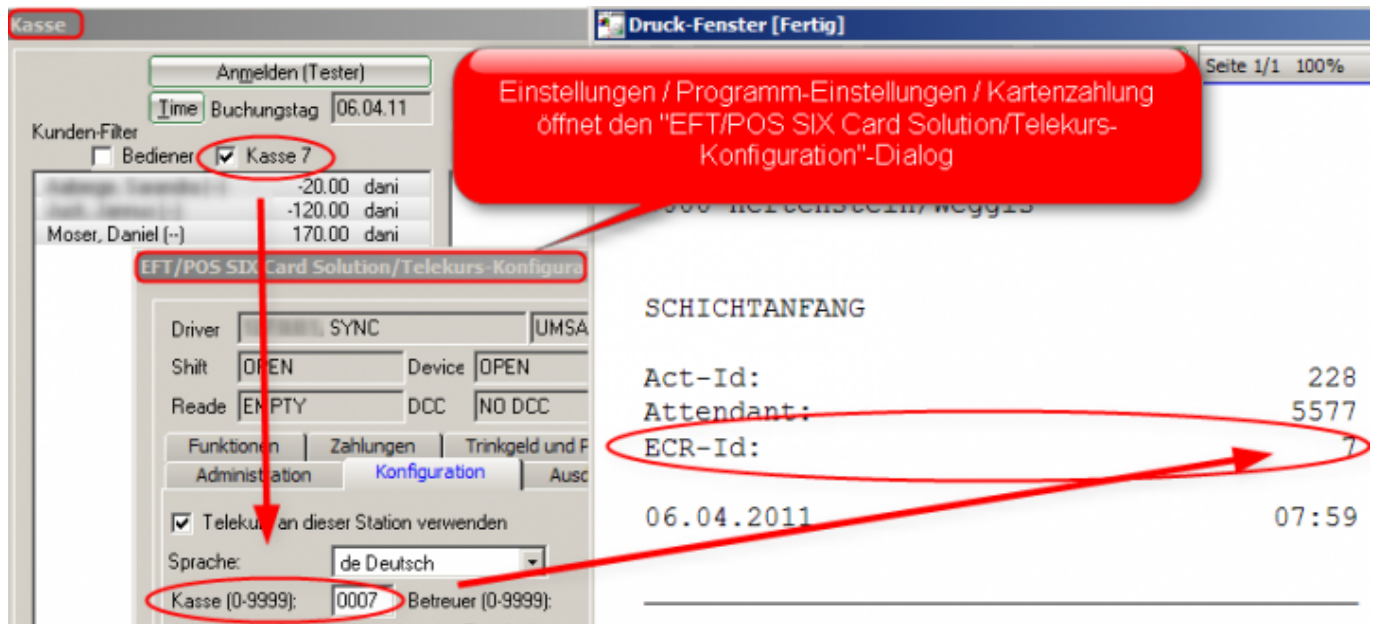


while connected to MPD :

## Differences shift-end and day-end documents

If more than one EFT terminal exists in a single location, then a different cash register number must be entered in the cash register in the *EFT/POS SIX Card Solution/Telekurs configuration* under *Cash register (0-9999)*. Otherwise, the shift end documents will not be correct.





## Missing bookings on daily closing document

One reason for this may be that the terminal itself performs an automatic daily close before the PC CADDIE-triggered daily close (balance). PC CADDIE doesn't know this.

The automatic closing of the day by the terminal itself can only be changed or issued by SIX.

If any such automatic daily closing is set up by the terminal itself (ask SIX), then this is usually configured to take place at about 22:30. That is why this problem usually occurs only in the case of a gastro-cash register or self-service terminals.

## Mobile-Coupon

[Mobile-Coupon](#) is a voucher system from SIX Card Solution, which works with SMS instead of traditional, cut-out vouchers in printed media.

### Mobile-Coupon article

Please create the following article before booking in the cash register:

**Artikel**

Artikel-Nr. tkcoup 0000 Fibu-Konto:

Bezeichnung Mobile-Coupon <SMSCOUPON> Kennung

Gruppe  Neu Gruppe Lösch.

Farbschema  + Neu Bearbeiten

Größensch.  + Neu Bearbeiten

Preise / Mengen

Status Normal Einheit 1 Stück

Kalkulation  MwSt: 0.0 %  kein Rabatt

Farben / Größenkombination Neu Löschen

EK (netto) 0.00

EK (effektiv) 0.00

VK (brutto) 0.00

Marge: 0.00 %

Bestandsführung

Mindest-Bestand .....

Bestand -7

Bestellt 0

Einkauf

Lieferant

Best.Nr.:  Packungs-Einheit  Rabatt 0

Barcode:

Neu Sichern (F11)

Löschen (F5)

Kopie -> Neu

Automatik

Eingang

Bestandteile

Konto

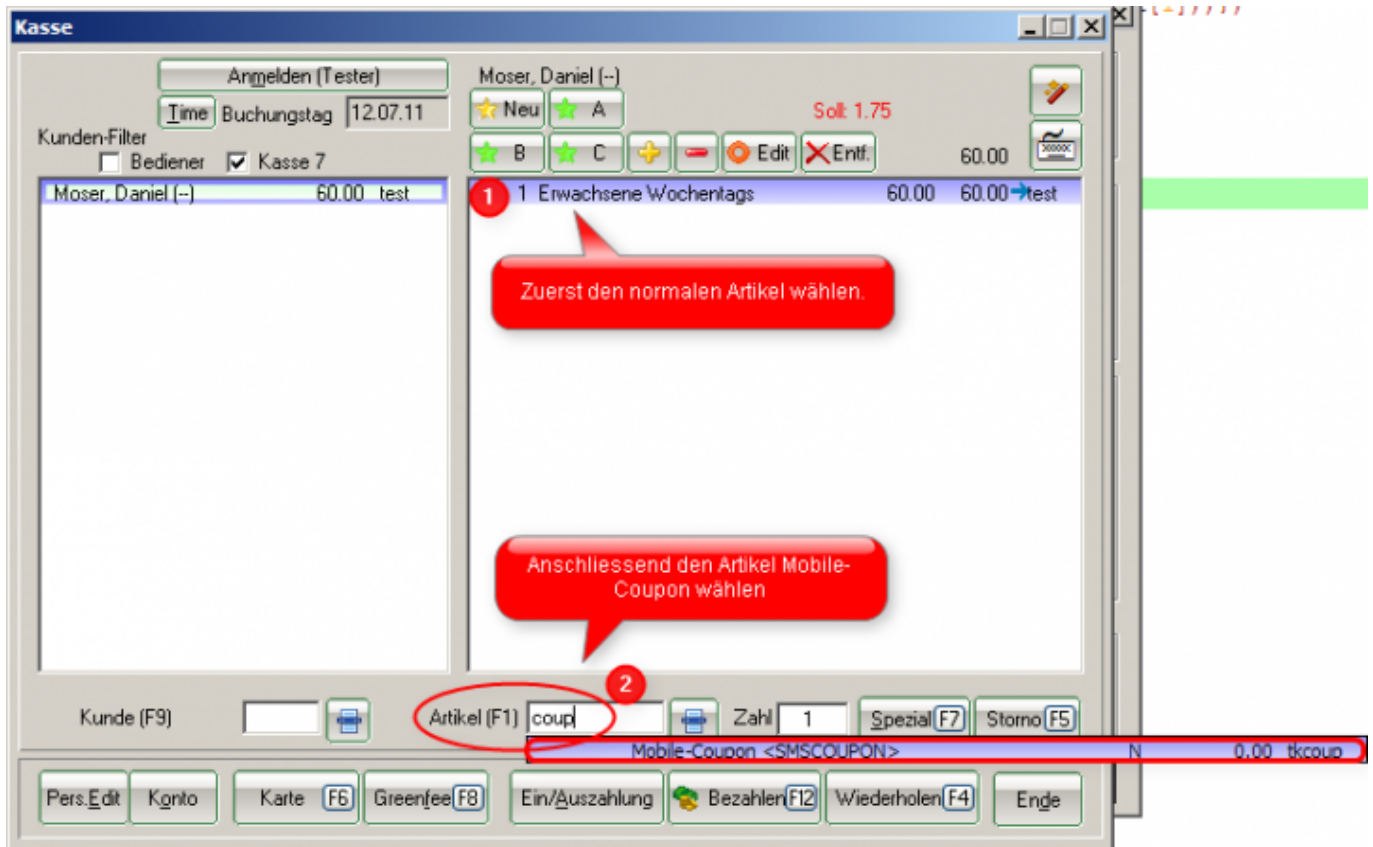
Drucken (F8)

Ende

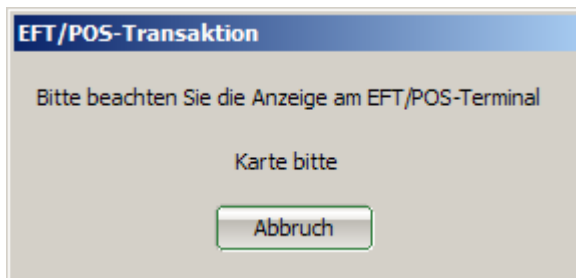
<SMSCOUPON> muss in der Artikel-Bezeichnung vorkommen, damit PC CADDIE weiss, dass es das Zahlterminal für eine Coupon-Autorisierung ansprechen muss

## Processing with the PC CADDIE cash register

1. First, book normal items in the cash register
2. To redeem a mobile or SMS coupon, book the article **Mobile-Coupon**



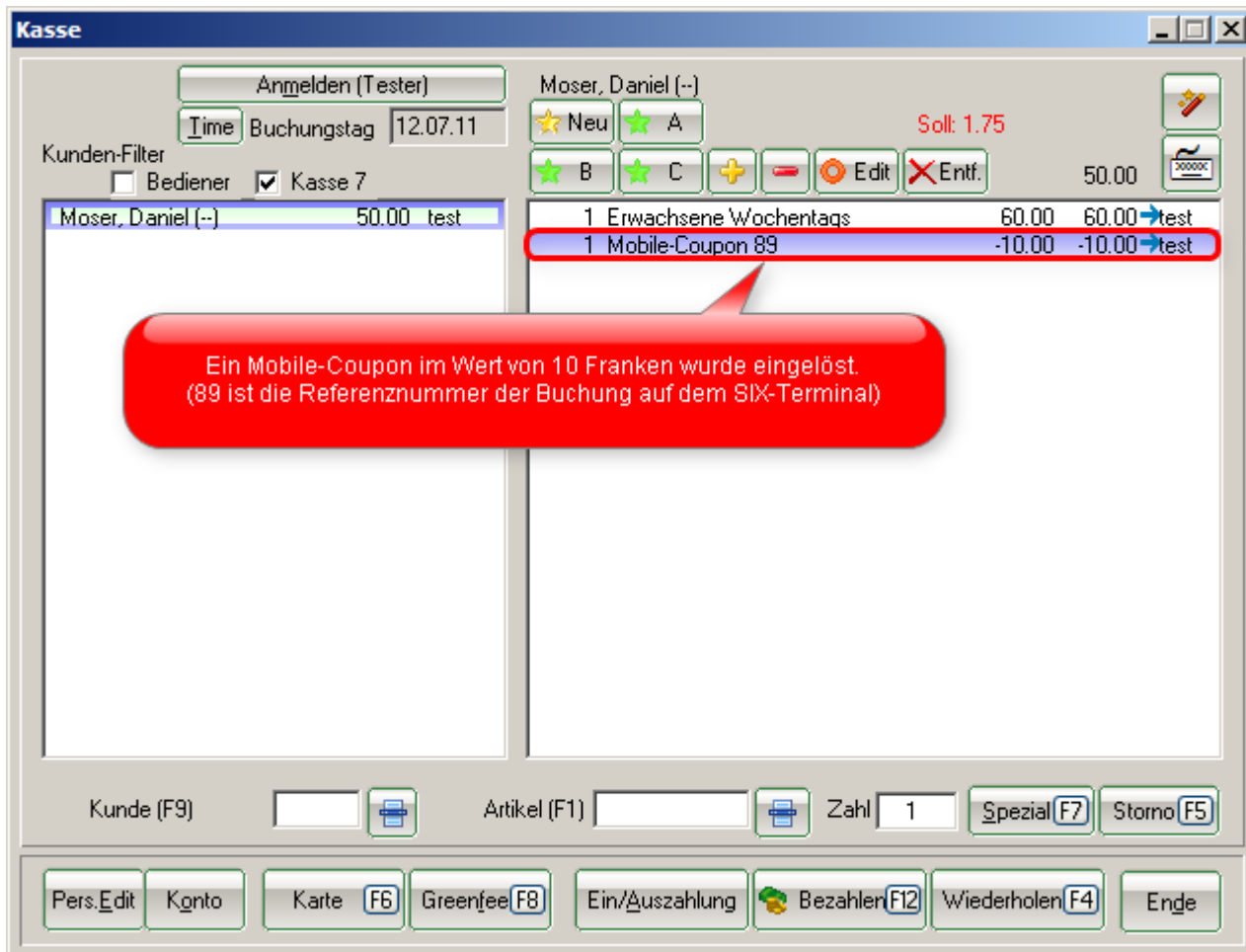
The customer is now asked to enter the received SMS code into the SIX terminal.



Schmedding Software Systeme GmbH  
 Herstensteinstrasse  
 6000 Hertenstein/Weggis

Gutschein	Mobile Coupon
12.07.2011	10:40
Trm-Id:	36111302
Promotion:	234
Type:	01
Ref-Number:	89
Wert:	CHF 10.00
Coupon for fix amount	

If the entry is valid, PC CADDIE automatically deducts the corresponding amount from the cash register. The remainder is paid normally via the *Pay* button.



## Mobile-Coupon types

There are three types:

- Fix Amount - fixed amount, for example 10.00 CHF, as in the above screenshot
- Percentage - Percentage discount, for example 10% of everything that was in the cash register before booking the coupon
- Goods - Voucher, is currently not supported by PC CADDIE