

CCV InSync CCV InSync C





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CCV InSync

PA91P005

Rev.: 03

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1 Purpose

Instruction to setup a CCV InSync Terminal with software version 59.xx. Successor versions may differ.

2 Scope

CCV Group, Integrators.

3 Glossary

- CCV InSync: 3in1 Payment Terminal
- TS3: Terminal Supervisor 3, Software to administrate the Terminals
- TID: Terminal-ID
- PU: Processing Unit
- Further terms and information: see system manual

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4 Startup

You can put the CCV InSync Terminal into operation in the following ways.

4.1 Startup via TS3

Make sure your PC is connected to the CCV InSync via USB- or LAN-cable. Power up the CCV InSync. After boot up the display of the CCV InSync shows **"Inbetriebnahme erforderlich, Außer Betrieb**" / **"Initiation required, Out of use**". Start Terminal Supervisor 3 (TS3). You will need the licence level 3 or higher. Click in menu **"Connection**" – **"New**" and configure the connection as shown below. The description shows startup via USB.

TS3 Connection s	ettings		?	×
Name: CCV InS	ync USB			
Terminaltyp	CCV I	nSync		•
Softwaretyp	SECposEv	0		•
Connection	TCP/IP co	nnection		•
IP / Hostnam	ne	169.254.2.1		
Port		20002		
ZModem por	t	21002		
Connection t	timeout (ms)	1000		
Connection t	cpip: 169, 254,	2.1:Port=20002.ConnectTimeout=1000		
		,		
		Cancel	Q	(

|--|

Connect to the CCV InSync by double click on the connection. If the connection was successful the grey square changes from light green to dark green for 20 seconds (dark green = connection to CCV InSync is established).

TerminalSupervisor 3 - Evolution - 15.2.2							
<u>File</u> <u>Connection</u> <u>Service</u> Language selection <u>H</u> elp							
🖻 🖬 🎦 🗹 🗙 🗞 🔞 🕯	n Sy	€	: 6. 8	ð 🗜 6	Termina	l maintenanc	•
CCV InSync USB							
	uration	Output	Remote control	Terminallog	File management	Softkeys	Card
	Config						

Note: At the same time some menu functions will be active. By click on (Display terminal version) or at the menu bar "**Service**" – "**Version**" you will get information about the CCV InSync shown in the output tab.

TerminalSupervisor 3 - Evolution - 15.2.2						
Eile Connection Service Language selection Help						
📔 🔄 🖄 🛛 🗡 🚳 🎬 🖏	💕 🚽 🍸 🗹 🗙 🎕 🚯 🎬 💯 € 📑 🗙 🔒 🖉 🗊 🗊 🗊 Terminal maintenance 🔻					
Display term	inal version					
CCV InSync USB						
atio	Output Remote control Terminallog File management Softkeys Card profiles Logo Terminal locks Cronjobs Update					
i figur						
Ō	Terminal ID: 0000000					
29	Next receipt number: 4					
areo (Last trace number: 36 Unauthorised transactions present: No					
iscell	Unauthorised offline transactions present: No SK state: 3					
Σ	Key generation number (hex): 62 Product table version: B+S Card V4.11 , 2011-02-22T00:00:00					
	DHCP: off IP address: 192, 168, 1, 42					
	Host version: 2936 DAM- 512 MB					
	INSYNC					
	- Key-Loading-Status:betriebsbereit - Fraud-Status:in Ordnung					
	- Fraud-Register:00000000-00000000-00000000					
	4eye:nicht vorhanden					
	XPRESS-MSC/InSync-Ctis-Pn5180:verfügbar - Secure-Link:nicht vorhanden					
	Terminal locks:					
	Initialization necessary					
	Induor recessary					
	Modulversionen:					
	INSYNC.SECCVD.t02.0059.21.01.20180817 ATDWHU SEEDOEF-CUCTR T0000.01.01.40000					
	APDUACL_DEFAULT:SECCVD.100101.01.01.0000					
	EMVCTLS-AXP:Alcineo.AXP_3.1.0#009					
	EMVCTLS-EP:Alcineo.N/A.N/A.N/A EMVCTLS-MCL:Alcineo.MCL_3.1.1#008					
	EMVCTLS-PW:Alcineo.PW_2.2.0#010 EMVKERNEL:CCVD.v0005.00.00+0000					
	EMVL1-TDA8035:CCVD.v0001.00.00+0000 EMVTAGSWHL EMVDCPOSTAGS:CCVCTP.T0000.01.01+0000					
	ESERVER:SECCVD.t0059.21.01+138013 HsmDriver:CCVD.p0001.00.00+138013					
	IFM_TDA8035_SW:CCVD.v0001.00.00+0000 INIT:CCVD.0001.05.02					
	INSTRUCTOR DOB 10 102					
	InSync-Ctls-Pn5180-EEPROM:NXP.v0153.00.00+0000					
	Insync-Ctis-Ph5180-EEPROMCONTENT:CCVCTP.1CE71FBB44AA650DCC85B0AF3DCB8000614EF4E8597840745F05FA29580425E8 InSync-Ctis-Ph5180-FIRMWARE:NXP.v0003.12.00+0000					
	InSync-Ctis-Pn5180-LEVEL1HASH:CCVCTP.7dbed882aebd1e52404adabff43c8bcec5f045a034ca99cecb07644739b2c2ec InSync-Ctis-Pn5180-LIBRARY:NXP.v0004.06.00+0000					

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Click on tab "Remote control" and "Start". Then click on "Service" und "Initiation".

juration	Output Remote control Terminallog	
sous Config	Menu Terminal Rec. w. closure>	
Postings> Information> E Diagnosis/Network>		
	Prepaid> Settings> GeldKarte>	



Choose the favored language, for example English.

ration	Output Premote control Terminallog
Miscellaneous	Menu Sprache wählen Deutsch> English>

Type in the 8-digit TID. Repeat the entry of the TID. You will get the TID from your Network-provider.

Startup Please enter the terminal ID and press OK:	Startup Please enter the terminal ID and press OK:		
12345678	12345678		
Cancel OK	Cancel OK		
✓ Use menu mapping	✓ Use menu mapping		

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Choose the PU.

ration	Output	Remote control	Terminallog	File managemer	t Softkeys	Card profiles	Logo	Terminal locks
Configu	Menu			Messa	es			
Miscellaneous	Selec 1: G 2: N 8: L 58: 99:	:t PU iPRS> /odem/ISDN Prod,> AN/WLAN> Testhost B+S> Testhost CCV>	>	Co Ple Ple Su	nnecting ase wait ase wait cess			

Choose DHCP or a static IP-address. Following you can choose if you like to setup cash register connections.

DHCP Use DHCP?	Startup Host connection check successful	
No Yes		ОК
✓ Use menu mapping	✓ Use menu mapping	

You can then choose whether a cash register connection should be activated.

ECR connection Do you want to reconfigure cash register connections?	
No	Yes
✓ Use menu mapping	

If you like to setup cash register connections you can choose between ZVT, MDB and O.P.I.. To finish ECR connection click on "." below "**OPI (serial)**".

Configuration	Output Remote control Terminallog
Miscellaneous	ECR connection ZVT (TCP/IP) (X) OPI (TCP/IP) (X) ZVT (serial) (X) OPI (serial) ()

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After successful initiation the OPx executes some diagnosis.

Receipts				
** Success - EVALUATION VERSI	** [ON -			
CCV Deutschland (Setup CCV InSync	GmbH			
Configuration diagr	nosis			
13.09.2018 Terminal ID TA-No. Max. Offline bookings	13:45 12345678 000046 5			
** Success - EVALUATION VERSI	** [0N -			
CCV Deutschland (Setup CCV InSync	GmbH			
EMV configuration dia	agnosis			
13.09.2018 Terminal ID TA-No.	13:45 12345678 000047			
Terminal	 0F			

The display from CCV InSync shows "Terminal bereit" / "Terminal ready" and the upper left LED flashes green.



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4.2 Startup via ZVT

Please start the CCV software tool **"ZVT-Automatensimulation**". Alternatively you can send the ZVT commands to the CCV InSync with your application.

🛱 Automatensimulation (Build: Nov 8 2016 11:28:30) - 169.2	54.2.1:20007		- 0	×
Simulation angehalten! Simulationseinstellungen Aktion: D6 B0 Abbruch senden Anzeige Statusinformationen	 ✓ Erweiterte Anmeldung ✓ Erweitertes Kartelesen ✓ TLV-Container senden ✓ Simulation starten Aktion ausführen Aktion abbrechen ✓ Simulation anhalten ✓ Einstellungen 	Beleginformationen	Belegdaten in Datei	

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To configure the settings click on **"Einstellungen**". To send a command to the CCV InSync click on **"Simulation starten**", set the checkboxes as shown below and confirm with **"OK**".

Anmeldung	×
 Automatische Erkennung d TLV-Container senden EM Drucktexte in 06 D3 sende 	ler Kassenschnittstelle Passwort: 010203 IV Config (Tag 40): B080 m (Blockdruck)
Configbyte 0000 0001 □ Reservia 0000 0010 ✓ Kasse dr 0000 0100 ✓ Kasse dr 0000 1000 ✓ Kasse dr 0000 1000 ✓ Kasse st 0001 0000 ✓ Kasse st 0010 0000 ✓ Kasse st 0100 0000 ✓ Betragst 1000 0000 ✓ Druckfur	rt uckt Zahlungsbelege uckt administrative Belege ünscht Zwischenstatus-Information euert Zahlungsfunktion euert Verwaltungsfunktion restätigung von Kasse erforderlich nktionen ausschalten
Währungskennzeichen: ✓ Währungskennzeicher Euro Servicebyte Servicebyte Servicebyte senden ✓ Servicebyte senden ✓ Große Fonts bei Au	T über Funktionstasten einblendbar Itorisierung OK

Select the command "08 13 Konfiguration ändern" at the drop-down menu "Aktion" and click on "Aktion ausführen".

2016 11:28:30) - 169.25	54.2.1:20007		- 1		×
Simulation seinstellungen Aktion: Aktion: Image: Simulation andern Anzeige Anzeige	✓ Erweiterte Anmeldung ✓ Erweitertes Kartelesen ✓ TLV-Container senden Simulation starten	Beleginformationen Externen Printer verwender Alte Belegdaten löschen	Eelegdaten in	Datei	
	Einstellungen				

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Type in the 8-digit TID, the PU and IP-address or select DHCP and confirm with "OK".

Konfiguration änd	dern											×
Allgemein		Netzwerk										1
Terminal-ID:	XXXXXXXX	IP-Adresse:		0	·	0	•	0	÷	0		
PU:	1	Subnetz-Maske:		0	•	0	•	0	•	0		
		Gateway:		0	•	0	•	0	•	0		
		DHCP:	~									
					0	к			Abb	rech	en	

Please select the command "06 93 Initialisierung" at the drop-down menu "Aktion" and click on "Aktion ausführen". If it was successfully operated it will show "Initialisierung erfolgreich" at

"Statusinformationen".

At last select the command "06 70 Diagnose" at the drop-down menu "Aktion", select the "Diagnose-Typ" "EMV-Diagnose" at the drop-down menu and confirm with "OK".

Diagnose-Typ auswählen	\times
Diagnose-Typ:	OK
EMV-Diagnose 💌	Abbrechen
Leitungsdiagnose Erweiterte Diagnose]]

Now "Statusinformationen" shows "Diagnose erfolgreich" and the CCV InSync shows "Terminal bereit" / "Terminal ready".

You can check the configuration (for example: TID, own IP, Host-IP) with command "06 1A Konfiguration drucken".

4.3 Startup via MDB

You can use MDB commands for startup and find relevant commands here: <u>https://download.ccv-deutschland.de/allgemein/OPP/OPP-C60/Dokumentation/OPP-C60_MDB_ManufacturerSpecificExtension_Configuration.pdf</u>

4.4 Startup via O.P.I.

It is not possible to execute an initiation via O.P.I.. Please initialize the CCV InSync via TS3, ZVT or MDB as described.

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5 Standalone operation

Utilizing the DigOut pin the CCV INSync can be operated in a standalone mode without the need of being connected to an ECR. In this configuration no impulse to release the product or service is being emitted, but one impulse per unit payed (e.g. 5 units of 50 cents each = 2,50 euros = 5 impulses to the VMC). Thus a coin insertion is simulated.

5.1 Standalone configuration via TS3

Via the menu item "Common Settings" -> "Application settings" -> "InSync-standalone application" -> "Activate InSync-standalone application" the standalone mode can be activated. Furthermore, the base amount, the maximum amount and the operator timeout can be configured.

	Common Settings	Secure Settings	Internal Settings	Connection settings	EMV configuration	Init configuration	Ctp settings
	Configuration k	ey			Configuration	n value	
_	Version	info					
	Language	settings					
	Service	settings					
	Cashpoin	t settings					
	Timeout	settings					
	Terminal	. settings					
	💌 Applicat	ion settings					
	Custo	mer specific pr	cocessing ID		23		
	▶ Taxi	Application					
	Polic	e Application					
	► DB Ap	plication					
	Mini	POS					
	Open	Application Mar	nager				
	secuc	ard					
	ADAC	application					
	 InSyn 	c-standalone Ap	plication				
	Ac	tivate InSync-s	tandalone appli	lcation	✓		
	Ba	sic amount [min	or units]		100		
	Ma	ximum amount [m	inor units]		2500		
	Op	erator timeout	[s]		20		
	IS08583	protocol settim	ngs				

5.2 Further information on the digital I/O ports

Via the inputs DigIn1 – DigIn3 the capacitive buttons for "Abort", "Plus" and "ok" can be operated externally with the help of push buttons. If the cancel button remains switched on for a longer period of time, an empty coin return is assumed and the device switches to an "out of order" state. This is achieved by means of a normally open contact, which switches the respective input to ground.

Pulse length: The signals are omitted alternately with 100ms signal, 100ms pause. **Note:** In a future version of SECpos EVO the interval lengths will be individually adjustable.

5.3 Connection aid I/O cable with open ends

I/O cable article number 03134-91

The cable assignment is to be taken from the drawing number PA00K046.



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PIN	6	5	4	3	2	1	5	4	3	2	1
Bild	rot	schwarz	n/a	n/a	n/a	n/a	grün	grau	blau	weiß	schwarz
Belegung	+ 12V	GND					DigOut 1	DigIn 1	DigIn 2	DigIn 3	GND
I/O Kabel	rot	schwarz					braun	gelb	grün	blau	rot

5.4 Circuit example digital I/O

DigOut1 is a so called "open collector" circuit. This is used to switch the ground on an impulse. This can then be used to control a replay, for example.

Note: It should be noted that in the circuit example, due the the inertia of a relay, it is not possible to display the output of several impulses via the relay. However, it illustrates the electrical circuitry and the operating principle.



Circuit example for the connection of three external buttons with identical functionality as the InSync's integrated capacitive buttons (Abort, plus, ok).





6 Logfile

To have a short documentation about the executed setup process you can create a logfile via TS3 by performing the following steps. This file will also help for diagnosis and support.

Doubleclick on "**CCV InSync USB**" (or similar description) to connect to the CCV InSync. Click on symbol "Load and export all log and configuration files".

TerminalSupervisor 3 - Evolution - 15.2.2								
<u>File</u> <u>Connection</u> <u>Service</u> Language selection <u>H</u> elp								
📔 🖬 🎦 🖙 🗙 🗞 🚳 🎬	6 Y	€ 🗄	12 😡 🐰	ð 🖟 6	Termina	l maintenance	•	
Load and export all log and configuration files								
CCV Insync USB								
	ation	Output	Remote control	Terminallog	File management	Softkeys	Card	
	igur							
	Conf	Termin Serial r	nal ID: 12345678 number: 06676300					
	S	Nextr	eceipt number: 4					

Alternatively you can click on the tab "Service" and "Read terminal information".

TerminalSupervis	or 3 - Evolution - 15.2.2	
File Connection	Service Language selection Help	
i 🍙 📮 🛉 😜	Sw Software update	€ 📑 🖬 💵
	Software activation	
CCV InSync US	🔯 Reboot terminal	
	😫 Read / send file	Output Remote control
	🕞 Read terminal information	
	R Load and export all log and configuartic	n files
	① Version	Serial number: 06676300 Next receipt number: 4



Name the logfile, choose a location to store and confirm with "Save".

T83 Save terminal info	rmation		×
$\leftarrow \rightarrow \cdot \uparrow$	\ll CCV-Deutschland \Rightarrow TS3 \Rightarrow \qquad \checkmark	ت "TS3" durchsuchen	Ą
Dateiname:	Logfile		~
Dateityp:	Terminalinformation (*.zip)		~
 Ordner durchsuch 	en	Speichern A	Abbrechen:

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7 Documents

- System manual: <u>https://download.ccv-deutschland.de/allgemein/CCV_InSync/Dokumentation</u>
- CCV InSync: https://www.ccv.eu/de-de/partner-integratoren-netzbetreiber/unbediente-bezahlloesungen/ccv-insync

8 FAQ

- How can I get in touch with CCV Hotline?
 <u>https://www.ccv.eu/de-de/partner-integratoren-netzbetreiber/service-und-support</u>
- What is the website from CCV Deutschland? <u>https://www.ccv.eu/de-de</u>
- Where can I get the Terminal-ID (TID) from? You will get it from your network-provider.
- What is a PU? Processing Unit (host-set connection configuration).
- What protocols are available with CCV InSync? ZVT (serial/IP), O.P.I. (IP, serial is not supported), MDB (serial).
- Where can I get the installation files for Terminal Supervisor 3 (TS3)?
 https://download.ccv-deutschland.de/allgemein/Terminal_Supervisor/TS3
 (you will get the username and password for protected download area from your contact at CCV Deutschland)
- Where can I get installation files for ZVT-Automatensimulation?
 https://download.ccv-deutschland.de/allgemein/Tools.allgemein/ZVT-Automatensimulation
 (you will get the username and password for protected download area from your contact at CCV Deutschland)
- Where can I get installation files for xPay (O.P.I.)?
 <u>https://download.ccv-deutschland.de/allgemein/Tools allgemein/xPay</u>
 (you will get the username and password for protected download area from your contact at CCV Deutschland)
- Where can I find data sheets?
 System manual: https://download.ccv-deutschland.de/allgemein/CCV_InSync/Dokumentation
 CCV InSync: https://www.ccv.eu/de-de/partner-integratoren-netzbetreiber/unbediente-bezahlloesungen/ccv-insync