let's make
payment
happen

CCV

CCV
Fly A77

Power

- Before you connect the terminal power pack to an electrical outlet, check that the on/off power switch on the terminal is off. If the terminal does not have an on/off switch, check that the power cable connector is removed from the terminals´s power port. Or, when connecting the terminal to a power pack, always connect the plug of the power pack to an electrical wall outlet first. Then connect the power cable to the terminals´s power port. The power pack is rated as follows: Input Voltage 100 - 240 VAC 50/ 60 Hz and output voltage 5V DC, 1.0 A.

- Do not use the adapter in a high moisture enviroment. Never touch the adapter when your hands or feet are wet.

- Allow adequate ventilation around the adapter. Avoid locations with restricted airflow.

Disconnecting power

- Disconnecting power during a transaction may cause transaction data files that are not yet stored in terminal memory to be lost. Never remove the battery pack from the terminal if it is in the process of performing a payment or other transaction („Please wait..."). If this message appears for a longer period of time, please contact your network provider.

Location – Electrical Considerations

- CAUTION: Due to risk of electrical shock or terminal damage, do not use the terminal near water, including a bathtub, wash bowl, kitchen sink or laundry tub, in a wet basement, or near a swimming pool. Also, avoid using this product during electrical storms. Avoid locations near electrical appliances or other devices that cause excessive voltage fluctuations or emit electrical noise (for example, air conditioners, neon signs, high-frequency or magnetic security devices, electric motors).

- Connect the adapter to a proper source. The voltage and grounding requirements are found on the product case and/ or packaging.

- Your terminal contains sensitive electronic components that can be permanently damaged if exposed to excessive shock or vibration. To minimize the risk of damage to your terminal avoid dropping your terminal and operating it in high-shock and high-vibration environments.

- Never immerse the device in water, throw it into open fire, or expose it to a high level of moisture. Wipe off the device using only a slightly moistened cloth. Do not use cleaning agent.

- For damage arising from the use of unapproved external products (e.g. unsuited charging adapters, power supply units, storage batteries, cables, etc.), no liability is assumed.

- Do not plug the power pack into an outdoor outlet. It is not waterproof or dustproof. Avoid operation in very hot, dusty, moistly, acidly or oily environment.

- Do not expose the device to temperatures above 50°C, which can occur behind glass under direct sunlight, or to temperatures below 0°C.

- Maintain a sufficient distance to other electrical devices, such as cancelling machines for security labels (min. 50 cm) since this can lead to malfunctions.

Payment

- The terminal is designed only for cashless payments using debit, credit, and customer cards (magnetic stripe/ chip/ contactless) and must be used only for these cards.

Repair

- Never try to open the terminal. In case of unauthorised opening, all safety-related data is deleted and the device is out of order. Repairs may be performed by the manufacturer only.

Service

- After each software update or other change on the terminal, the payment processing must be tested, including day-end closing with all payment types, and the correct credit to the dealer account must be checked.

- Obtain information regularly regarding available updates or product expansions (hotline of your network provider).

> ❗ **In case of the non-observance of the safety notices or incorrect use, no liability will be assumed for any damage that occurs.**

- Do not use the adapter if the cord is damaged.

- If you want to reset your terminal settings (factory settings) please make sure that all transactions are transferred to your payment provider by an end of day closure.

- The removal of or damage to type plates and seals attached to the device leads to the expiration of any warranty claims.

- In case of the normal use of the card reader (no dirty cards, indoor use), the card reader must be cleaned once a week with suitable cleaning cards (dry or moist). In case of frequent use under difficult conditions (e.g. dirty fleet and station cards, outdoor use), the card reader has to be cleaned once a day with suitable cleaning cards (dry or moist).
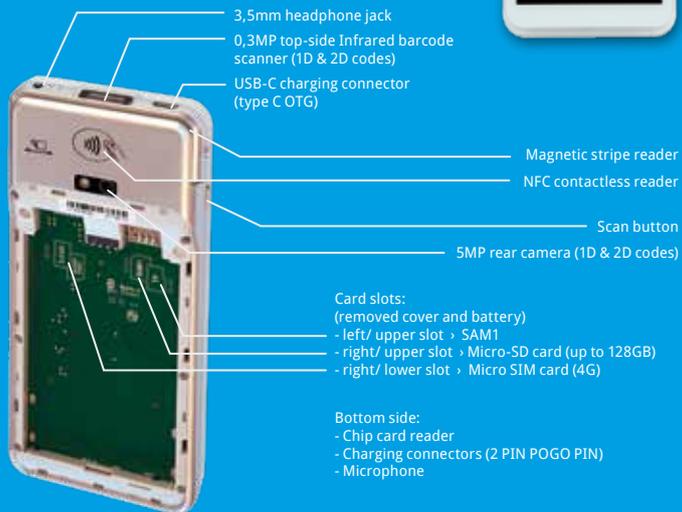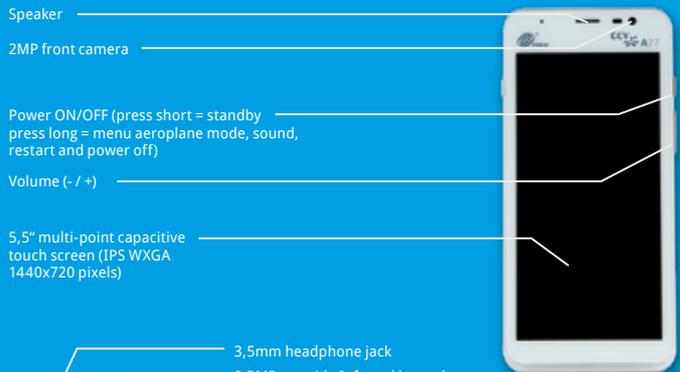
- Do not attempt to service the adapter. There are no serviceable parts inside. Replace the unit if it is damaged or exposed to excess moisture.

End of life

- At the end of life, dispose of the terminal and storage battery pack in an environmentally proper manner.

Speaker

2MP front camera

Power ON/OFF (press short = standby press long = menu aeroplane mode, sound, restart and power off)

Volume (- / +)

5,5" multi-point capacitive touch screen (IPS WXGA 1440x720 pixels)

3,5mm headphone jack

0,3MP top-side Infrared barcode scanner (1D & 2D codes)

USB-C charging connector (type C OTG)

Magnetic stripe reader

NFC contactless reader

Scan button

5MP rear camera (1D & 2D codes)

Card slots:
(removed cover and battery)
- left/ upper slot › SAM1
- right/ upper slot › Micro-SD card (up to 128GB)
- right/ lower slot › Micro SIM card (4G)

Bottom side:
- Chip card reader
- Charging connectors (2 PIN POGO PIN)
- Microphone

Content

Terminal CCV
Fly A77

Power supply with USB
cable type C

Document
"First steps"

Connect

Connect
power supply

Charge battery
(6 hours)

Installation

1. Please connect terminal with power supply. You need to plug USB-C power supply connector to terminal and power supply to power outlet (230V).

2. Terminal starts up. First use: Please take care to charge battery more than 6 hours.

3. Enable WiFi or Mobile Network (LTE/4G) on your CCV Fly A77. For Mobile Network a Micro SIM card is needed. Connection settings are the same as used by other Android devices (settings/ wireless & networks/->Wi-Fi / -> Cellular networks).

4. Start payment app (SECpos EVO/ acCEPT) and choose language. After that please enter your Terminal-ID (8 digits) and your PU (optional: processing unit/ communication target). You get your Terminal-ID and your PU number by your payment provider.

5. After entering the needed data (language, TID and PU) terminal automatically connect to your payment provider host. Transactions like an initialisation, diagnosis and EMV diagnosis will be processed – please check these transactions to ensure that all transactions are done successful.

6. Please start the cash register app „app2pay". Now you can enter the payment amount and start a payment transaction.

Please note that the terminal does not have an own printer. So receipts can be printed by an external cash register, WiFi- or Bluetooth printer. Alternatively if merchant email address is entered to terminal configuration and your payment provider does support E-Receipt function you can use E-Receipt function. That means customer does receive customer receipt to his smartphone by reading a QR code and merchant does receive all receipts by email.

To activate E-Receipt function – please enter your merchant email address: Start SECpos EVO/ acCEPT app › menu › enter menu PIN (manager) › applications › OAM server › receipts to [merchant email]

1. Connect

2. Turn on

3. Communication

4. Startup SECpos EVO

5. Host communication

6. Start payment transaction

Handling

Android homescreen

Your terminal is based on Android OS and usage is the same as you know from Android smartphones. After turning on by pressing power button on the right side the terminal shows you the Android homescreen after booting.

By factory load there are following apps:

| Calculator | Settings | Gallery | File Manager |
| Camera | CCVStore | SECpos EVO | app2pay |

1. Calculator
2. Settings
3. Gallery
4. File Manager
5. Camera
6. **CCVSTORE** (CCV marketplace to download Apps)
7. **Payment app** (**SECpos EVO/ acCEPT** - for payment please start app2pay)
8. **app2pay** (CCV cash point app – for payment please start app2pay and enter amount)
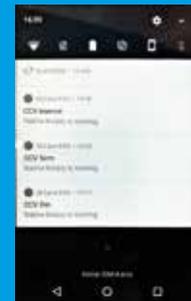
Android status bar

1. Symbol for active CCVSTORE
2. Three white dots are for active CCV apps working in the background (CCV eserver, CCV Scm und CCV Dm)
3. WiFi status
4. SIM status
5. Battery status
6. Time

Android navigation bar
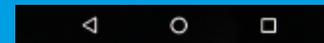
1. Back
2. Homescreen
3. Task Manager

You can draw down the statusbar to see further settings and a list of active apps (CCV eserver, CCV Scm und CCV Dm – please do not close these apps!).

app2pay

To process card payments please start "app2pay" and enter amount.

- Android status bar
- Amount and correction button
- Keypad
- 4 softkey buttons
- Android navigation bar (back/home/task manager)
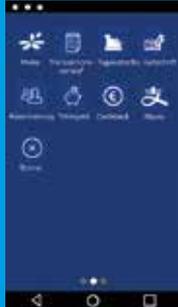
Softkey Buttons:
- Menu: start app2pay menu for information and settings
- Reconsiliation with closure/Day-ending closure › Send all offline transactions and closure of all open transactions
- Refund: start refund transaction
- Reservation: Reservation about choosen amount
- TIP: Enter amount and add a TIP amount for the service
- Cashback: Enter amount and add a cash amount
- Alipay: QR code scan for an Alipay transaction
- Transaction history: Show all transactions. You can start a copy of a receipt copy or a reversal
- Reversal: Reversal of a transaction. Only possible until day-end closure. After day-end closure a refund transaction is possible.

Information: You can change your 4 favorite softkey buttons. Hold softkey and drag & drop to first page.

Transaction history:

With the history you can start:
- a transaction reprint or
- a reversal (only possible if the transaction is not finished by a end of day closure) or
- a refund (only possible if the end of day closure is already done)
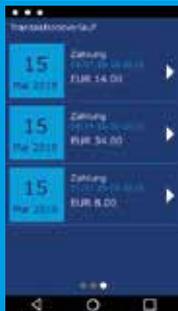
Payment

1. Start "app2pay" and enter amount

2. Read card (chip reader, contactless reader or magnetic stripe reader)

3. Optional: enter PIN

Transactions

- **Reconsiliation with closure/Day-ending closure:** Softkey Reconsiliation with closure

- **Reversal:** Softkey Reversal

- **Select transaction type** (optional)**:** Screen "Card please" › press "Select" button › read card

Payment app menu

You can start special functions by using SECpos EVO/ acCEPT menu.

Functions as:

Diagnosis | Configuration diagnosis | EMV diagnosis

Start payment app menu:
- Start payment app
- Press menu button
- Enter menu PIN (example 000000)
- Select function

If there is a payment lock (app SECpos EVO/ acCEPT) – you can unlock by pressing the unlock button or starting the needed function.

Locks can be:
- Day-end closure lock (unlock › start reconciliation with closure/Day-end closure)
- Initialisation lock (unlock › start initialisation)
- Diagnosis lock (unlock › start diagnosis)
- Startup lock/out of order lock (solution › start "app2pay" startup process)

Example:
- Diagnosis lock
- Solution › press unlock button

The unlock button automatically start the needed function.

Software updates:

Software updates (Android/ Apps) for CCV Fly A77 are done via CCVSTORE. And a configuration change or reading logs is done via TMS.
1. Software updates › automatically via CCVSTORE
2. Configuration change › via CCV TMS

If payment app has been updated the terminal automatically contact TMS to update the configuration. Further the terminal contact TMS with a heartbeatcall every week (configurable, default once a week).

Declaration of Conformity

Hereby declares CCV GmbH the accordance of the radio equipment CCV Fly A77 and its power supply to the directive 2014/53/EU.
The complete texts of the EU declarations of conformity are available on following internet address
https://www.ccv.eu/de/download-bar/

Specifications

Display – 5.5" IPS WXGA 1440x720 Pixel, multi-point capacitive touch screen, integrated signature pad

RAM – 2 GB DDR RAM, 16 GB eMMC Flash (expendable up to 128 GB by micro SD card)

Processor – Cortex A53 Quad Core 1400 MHz, 1.4GHZ 32-bit RISC Core (ARMv7-M), 1.25 DMIPS/MHz

Battery – 5150 mAh, 3.7V

Dimension – 158,8 x 76,4 x 17,8mm, weight 270g (including battery)

Keys/ buttons – Full touch display, 1x On/Off button, 1x scan button, 2x volume +/-

Cameras – 2 MP front facing camera, 5 MP rear facing camera with light for 1D and 2D codes

Scanner – 0,3 MP top side infrared barcode scanner

Operation system – PayDroid powered by Android (start with Android 8.1)

Audio – Speaker, buzzer and microphone

Power supply – Input 100-240V AC, 50/60Hz, output 5.0V DC, 2.0A (USB-C)

Printer – No build-in printer, Receipts via cash register/WiFi printer/BT printer or electronical receipts with E-Receipt solution (customer receipt to smartphone via QR code and all receipts send to merchant email address)

Communication – WiFi (2,4 GHz + 5 GHz), Bluetooth 4.2, 4G, 1x Micro SIM, 1x SAM, 1x Micro SD (up to 128 GB)

Updates – Apps via CCVStore, payment app and configuration via TMS

Card readers – NFC contactless: ISO 14443 A/B, MIFARE, girocard contactless, MasterCard contactless, Visa contactless, American Express contactless, Diners contactless, UPI contactless Chip card reader: iluminated, EMV L1 &L2 Magnetic stripe reader: 3 stripe magnetic reader, bidirectional

Environment – Operation temperature: -10° to 50°C, storage temperature -20° to 70°C, loading temperature 0° - 50°C, 5% - 95% relative air humidity, non-condensing

Cash register interface – ZVT, O.P.I. (cash register app interfact to payment app via O.P.I. or mAPI)

Certifications – Compatible with current specifications DK TA7.2/ DC-POS 3.0, EMV, RoHS, CE, PCI PTS 5.x, P2PE (on request)

Accessories – Charging base

Seal sticker

On the side of your terminal, you will find a seal sticker that guarantees that the device is intact and unopened. The seal sticker gets broken when device will be opened. Please check this seal sticker regularly.

! **If the seal is broken, contact your network provider immediately!**