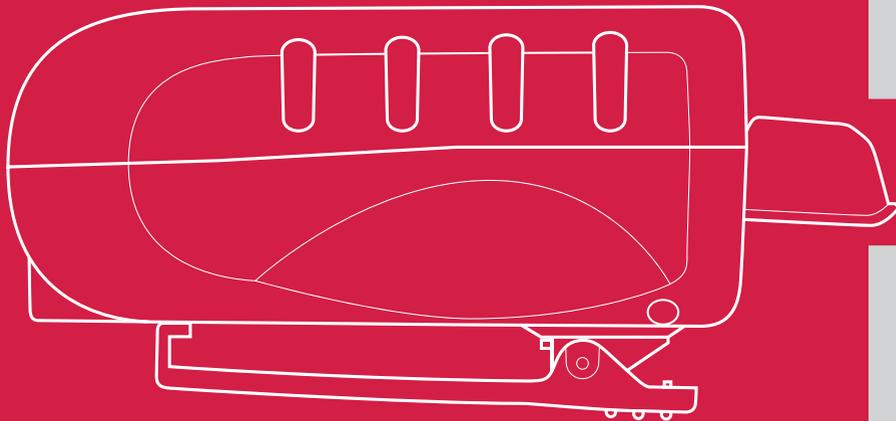


Moniron Mobile
Portable automatic currency detector

Quick user guide



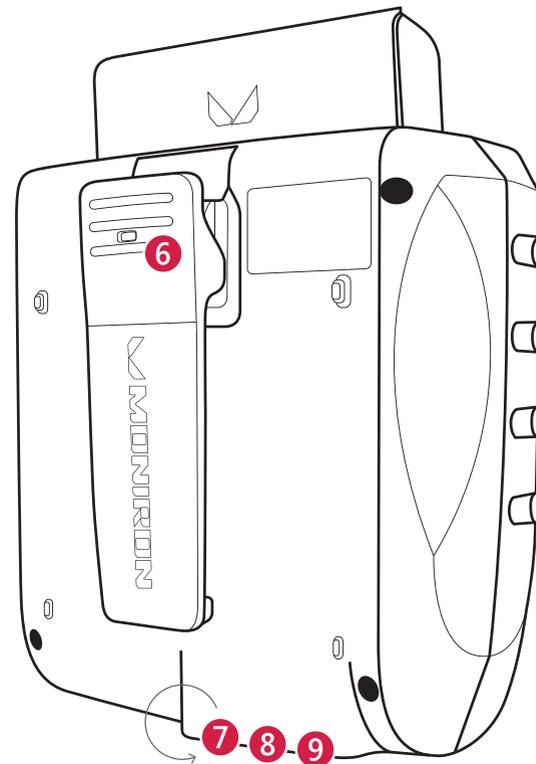
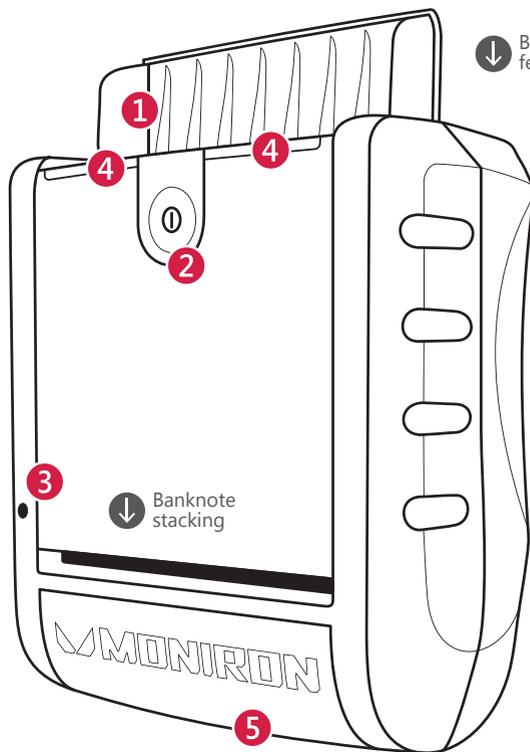
**24
7
365**

We hope that Moniron Mobile will please you with its flawless detection and convenience of operation 24 hours a day, 7 days a week, 365 days a year throughout its entire lifetime.



1. Overview

- 1 Hopper tray
- 2 **POWER** button
- 3 **R** button
- 4 Diode authenticity indicators
- 5 Battery compartment (battery included)
- 6 "Clip" mounting
- 7 Charge indicator
- 8 Power adapter connector
- 9 MicroUSB connector



2. Getting started

Operating instructions

When using the detector, avoid excessive exposure to external factors: direct sunlight or bright light sources in close proximity, vibration, shocks and jolts, open flame, high humidity, dust or water.

Use only the AC adapter that comes with the detector.

After a long period of storage at a low temperature, the detector has to be kept at a room temperature without packaging for at least 6 hours before use.

Switching on

- 1 Insert the rechargeable battery included in the kit into the special compartment observing the correct polarity. The battery compartment is located under the cover at the bottom of the device.

For operation without a battery, connect the detector to 100-240 VAC, 50-60 Hz power supply using the power adapter.
- 2 Turn on the detector by briefly pressing the **POWER** button. After a self-test the detector is ready for operation.



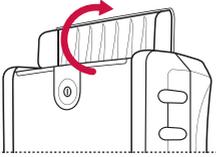
3. Banknote verification

Feeding instructions

- Banknotes should be smooth and without folds
- Do not feed banknotes at an angle

Banknote verification

- 1 Bring the hopper tray into the operating condition.

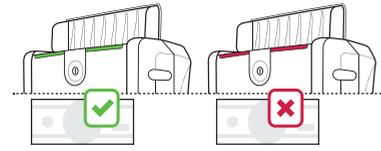


- 2 Feed a banknote in the hopper tray. The detector will start verification automatically.
- 3 Take the checked banknote.

Verification result

Green indication — a genuine banknote.

Red indication — a banknote is suspicious or unidentified. In addition, a beep sounds in case it is not disabled by the user.



Orange indication — a banknote passed inaccurately or too slowly. It is necessary to repeat the verification procedure.

Switching off

Turn off the detector by briefly pressing the **POWER** button.

4. Useful features

Energy saving

In order to save energy, the detector will automatically shut off if not used for a certain period of time:

- 2 hours at AC
- after 3 minutes on battery

Turning off the audio signal

When the detector is on, press and hold the **POWER** button until three beeps follow to enable or disable the audio indication.

Forced switching off

By pressing the **R** button, you can always turn off the detector, if it fails to turn off after pressing the **POWER** button.

Removing a misfed banknote

To eliminate a jam one needs to press and hold the **POWER** button until a single beep follows. The motor will switch on for one second to push a jammed banknote to the stacker.

Any jammed banknote can be gently pulled out manually after turning off the detector by briefly pressing the **POWER** button.

PC connection

To connect Moniron Mobile to a PC for the firmware update one can use a USB-microUSB cable.

! *New banknotes appear in circulation occasionally. If errors occur during verification of such banknotes, a new version of the software has to be installed by your service provider or on your own.*

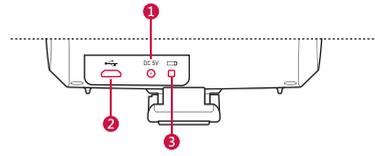
5. Mobile operation and battery

Continued

Battery charging

1 AC charging

Connect the device to power supply using the AC adapter available in the set.



2 USB charging

Connect the device to a working PC using a USB-microUSB cable.

3 Charge indication

Red light – charging
Green light – battery is recharged or taken out.

! *Additional charging options: external laptop battery, car adapter (5 V, min 0.54 A).*

Battery: maintenance and storage

Avoid exposing the detector either to too high or too low temperatures. Peak temperatures may temporarily reduce the operation life of the battery, or interfere with the operation of the detector. Avoid sudden changes in temperature or humidity when using the detector, as condensation inside the device may occur.

! *Please make sure to use the battery included in the kit. For more information about battery replacement or choosing a compatible analogue please contact an authorized Moniron Service Center.*

6. Specifications

Moniron Mobile

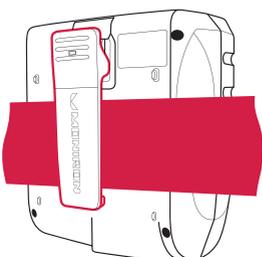
Type of equipment	Automatic banknote detector
Currency type	USD (standard set)
Detection	Moniron Detection System
Indication	Audio • LED-indication of banknote authenticity
Verification speed	Up to 130 banknotes per minute
Power supply	Battery: 18650 type, charging voltage 4.20 V ± 0.05 V, maximum length 65 mm • AC: power supply — input AC 100-240 V, 50/60 Hz, output DC 5 V, 2.0 A
Operating temperature, °C	+5 ~ +35
Dimensions	110×104×49 mm (61 mm – including a detachable clip)
Net weight	0.3 kg (without battery) 0.35 kg (including battery)

! *The manufacturer reserves the right to make modifications in the software and engineering design of the device which are not described in this user guide or specified in the table of specifications.*

5. Mobile operation and battery

"Clip" mounting

A special "clip" mounting on the rear panel of the detector is provided, one can use it for easy fixation of the detector on a belt, a variety of straps and so on.



Checking the battery charge level

- 1 When the detector is on, press and hold the **POWER** button until a single beep. The motor will turn on for one second.
- 2 Red LEDs will blink from 1 to 5 times, depending on the battery charge level (1 time – minimum).

! *If the battery is almost discharged, red lights begin to blink rapidly for 30 seconds, then the detector will turn off. One is free to turn off the device by pressing the **POWER** button with no need to wait for 30 seconds.*

! *Try to avoid a complete battery discharge*

Warranty

The Manufacturer guarantees proper performance of the device during the warranty period from the date of purchase, provided the user complies with storage and operation requirements specified in this user guide.

Please keep the original packaging, user guide and filled warranty certificate. The warranty is revoked in case the device has been shipped without its original packaging or its operation and maintenance requirements have not been complied with. The Manufacturer is not liable for any defects or failures that occur due to improper transportation, storage or operation as well as due to mechanical damages. In case the device fails to function properly during the warranty period, the owner is entitled to have it repaired at the Service Center. The device is accepted for warranty repair clean, free of dust and dirt. Cleaning services are not included in warranty maintenance and are provided at extra charge.

Warranty maintenance does not include training on the device operation or any functions aimed to ensure its performance (plugging, testing, adjustment, routine maintenance, etc.) which can be performed by the user according to the instructions in this user guide.

The Manufacturer reserves the right to make modifications in the software and engineering design which are not described in this user guide.

Warranty services are not provided if:

- the warranty certificate is missing or incorrectly filled;
- the information in the warranty certificate has been edited;
- the operating instructions specified in this user guide have not been followed;
- the device has mechanical damages;
- there are foreign items or liquid inside the device;
- there is evidence that the device has been unsealed and opened.

This warranty does not cover accumulators, power adapters, power supply units, connectors, lamps, batteries, belts, fuses, brushes, parts of the device housing or any other parts that have their own limited lifetime. The warranty does not cover defects or failures caused by unstable environmental conditions or power failures. Replaced defective parts are property of PRO Intellect Technology. Defective equipment is shipped to the Service Center at the owner's expense.

More information about Moniron Mobile portable automatic currency detector is available at www.moniron.com