MONIRON

Moniron Mobile
Portable automatic currency detector

Quick user guide

This quick user guide will help you quickly master the operation of Moniron Mobile automatic currency detector. The full version of the user guide can be downloaded from website: **moniron.com**

Congratulations on your purchase of Moniron Mobile automatic currency detector created to work on the move.
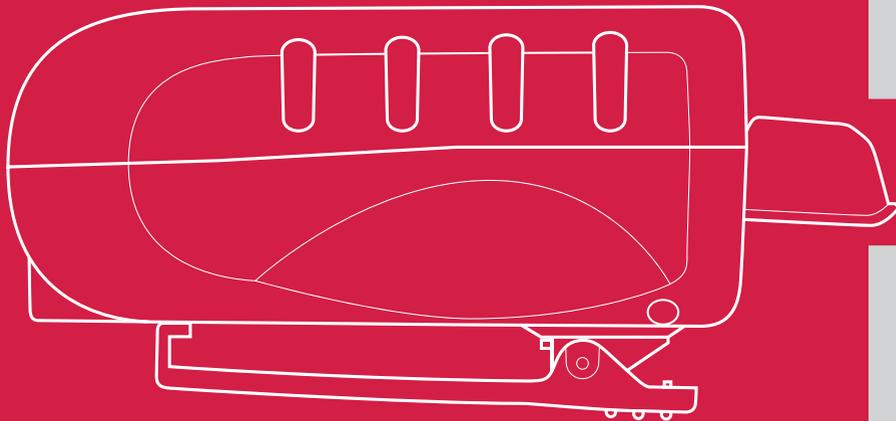
24
7
365

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

↓ Banknote feeding

↓ Banknote stacking
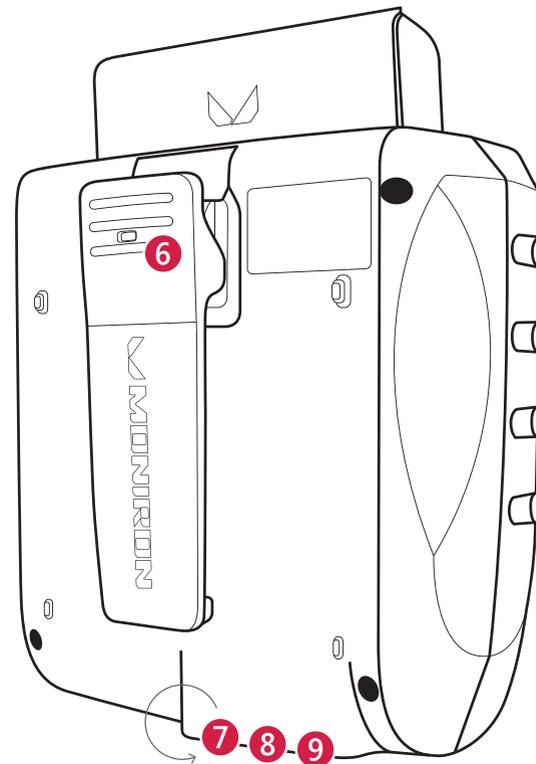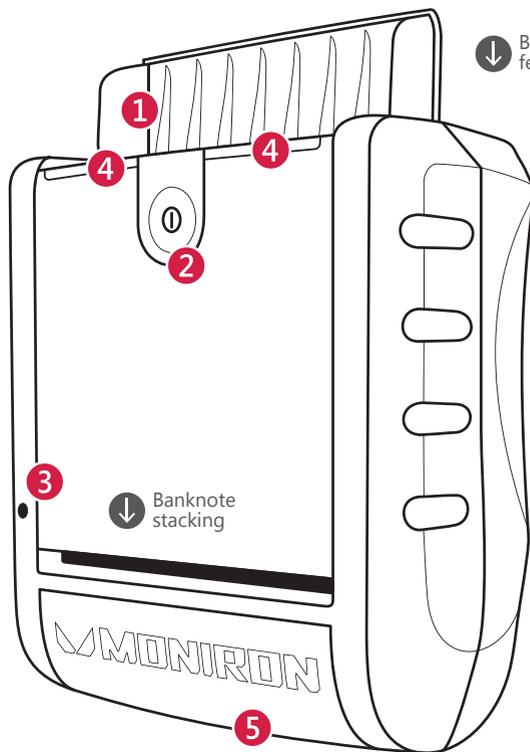
2. Getting started

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.
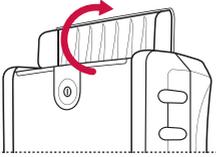
3. Banknote verification

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

Banknote verification
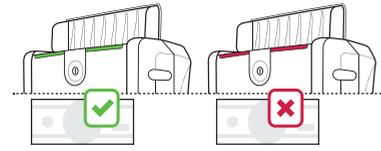1. Bring the hopper tray into the operating condition.

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 firmwave 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.*
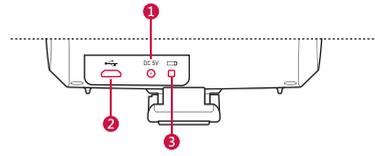
5. Mobile operation and battery

"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*

5. Mobile operation and battery

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.*
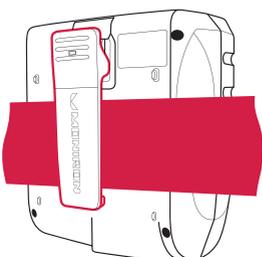
6. Specifications

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.*

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