

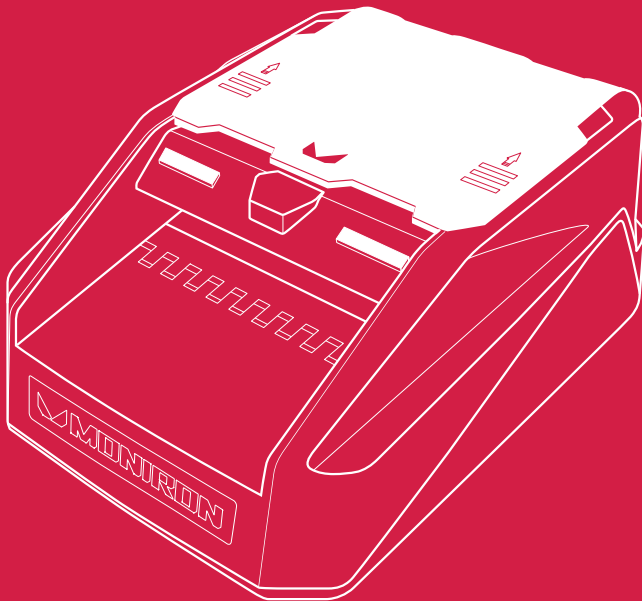


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**Moniron Dec POS**  
Automatic Currency Detector

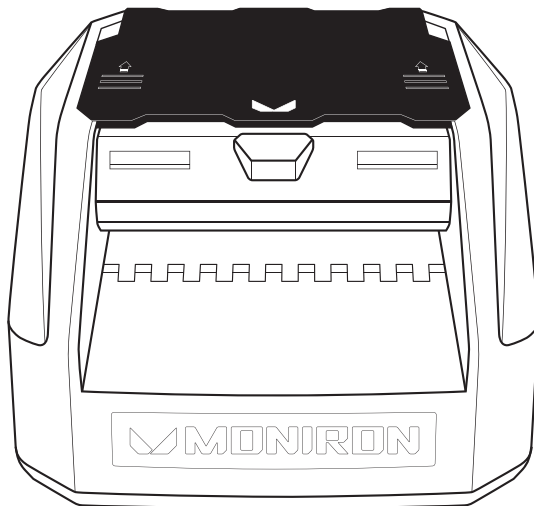
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**User Manual**



# Moniron Dec POS

Automatic Currency Detector



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# MONIRON

Thank you for choosing PRO Intellect Technology equipment. We hope Moniron Dec POS automatic currency detector will be easy to use and provide high-quality detection throughout its lifetime.

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### **PRO Intellect Technology introduces Moniron Dec POS automatic currency detector designed specifically for POS applications in retail businesses.**

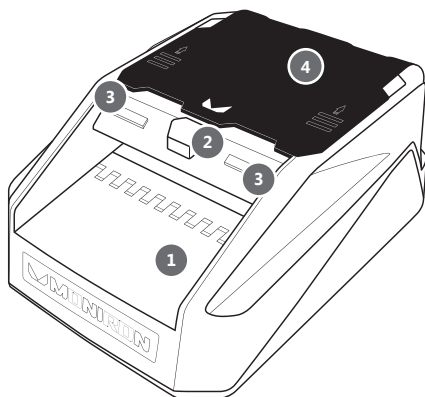
Due to its comprehensive verification technology the device provides the expert level of banknote detection. Users don't need any special training or extensive knowledge of banknote security features to operate Moniron Dec POS.

Moniron Dec POS is designed for retail and service businesses and features only the essential functions for convenient and easy operation in limited work-space with minimum verification time available.

Applications: supermarkets, hypermarkets, shopping malls, stores, pharmacies, gas stations, restaurants, and movie theaters.

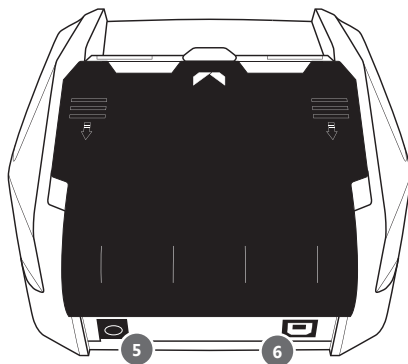
High quality of detection provided by Moniron Dec POS is confirmed by the official certificate of the European Central Bank.

*More information about Moniron Dec POS as well as other cash processing equipment we supply is available at [www.profindustry.com](http://www.profindustry.com)*



## 01. Features

- Split-second banknote verification: up to 70 banknotes per minute
- Random banknote orientation while feeding
- Full-scale banknote detection:
  - Infrared (IR) detection
  - Ultraviolet (UV) detection
  - Spectral analysis of ink
  - Magnetic detection
  - Optical density detection
  - Banknote size detection
- Audio and color indication
- Reverse tray: allows to position the detector against the wall
- Easy operation and well thought-out ergonomic design
- Compact size
- PC connection: software updates, on-screen operation report, operation report download (option)



## 02. Overview

1. Banknote tray
2. **POWER** button
3. LED indicators of banknote authenticity
4. Removable tray cover
5. Power supply input
6. Port for PC connection

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## 03. Getting started

### Installation Instructions

Choose even surfaces to install the detector. Avoid exposing it to bright light, direct sunlight, open fire, water, or dust.

### Operating Instructions

- Do not use the detector while it is affected by vibration, exposed to bright light or direct sunlight
- Use only the adapter supplied with the detector
- If the detector was stored at low temperature for a long time, keep it at room temperature without packaging for at least 6 hours before use
- Turn the detector off if it has not been used for a long time
- Protect the detector against moisture
- Avoid dropping, hitting and shaking the detector – all of the above may cause defects and breakdowns during operations

### Power on

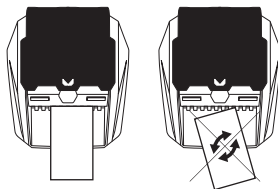


Use the power adapter to connect the detector to power supply (100-240V/50-60 Hz). To turn the detector on, press the **POWER** button for a short time. Upon completion of the self-diagnostics procedure, the detector is ready to use.

## 04. Operation

### Banknote Verification

To verify a banknote place it into the loading tray.



#### Feeding banknotes

- Any banknote orientation is acceptable
- The banknote should be flat and straight, without folds or creases
- Do not place banknotes at an angle

Das Gerät überprüft die Banknoten auf ihre Echtheit ganz automatisch. Wird die Echtheit der zu prüfenden Banknote festgestellt, so leuchten die LEDs grün. Bei einer verdächtigen oder nicht erkannten Banknote wird diese zurückbefördert. Das Gerät gibt einen Signalton und die Warnsymbole (LEDs) leuchten rot.

**! Green light** — *the banknote is genuine.*  
**Red light** — *the banknote is suspicious or unidentified.*

### Power off



Press the **POWER** to turn the detector off.

## 05. Useful features

### Upper Cover Removal

If banknotes are jammed in the transport path or there are foreign objects stuck inside, remove the upper cover to eliminate the jam. Simultaneously press from both sides the spots marked by “≡” pictograms and slide the cover in the direction indicated by arrows.



### Mute Mode

To turn the audio signal on/off, press and hold the **POWER** button for 10 seconds, until three beeps follow.

## 06. Connection to PC

Moniron Dec POS automatic detector can be connected to a PC via USB port located on the back panel of the device. When the detector is connected to a PC or laptop with special software installed, banknote verification data is displayed on the screen, and the operational statistics are available for download (option).

## 07. Software updates

Efficiency of Moniron Dec POS depends on prompt software updates. Alongside with emission of new banknote types and modifications, new software for the detector is developed. You can install it at the Service Center. All contact information is available at our official website: [www.moniron.com](http://www.moniron.com)

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## 08. Error indication and detection results

In case a suspicious banknote is detected or a banknote fails to be identified, the detector alerts the user by error indication. A genuine banknote can be impossible to identify if it is creased, old, dirty or torn.

**!** Please note that banknotes with new designs occasionally appear in circulation. If errors occur during verification of such banknotes, a new version of the software has to be installed at the Service Center.

Event	Cause	Your actions
<ul style="list-style-type: none"> <li>• <b>Indicators: green</b></li> <li>• No audio signal</li> </ul>	The banknote is genuine, no errors detected.	The banknote <b>can</b> be used as means of payment.
<ul style="list-style-type: none"> <li>• <b>Indicators: red</b></li> <li>• Long audio signal</li> </ul>	The banknote is not identified as genuine.	The banknote <b>cannot</b> be used as means of payment.
<ul style="list-style-type: none"> <li>• <b>Indicators: red</b></li> <li>• 3 short beeps</li> </ul>	Error while transporting the banknote through the path. Failure to identify the banknote.	Feed the banknote into the loading tray once again. Position the banknote evenly, it should not be placed askew, at an angle, be folded, creased, or torn.
The banknote is jammed in the transport path	<ol style="list-style-type: none"> <li>1. The banknote was fed at an angle.</li> <li>2. The banknote is creased, torn, folded or bent.</li> <li>3. There are a few banknotes in the loading tray.</li> </ol>	Press and hold the <b>POWER</b> button for 3 seconds until an audio signal follows. If the banknote fails to be ejected from the upper tray, the upper cover has to be removed to retrieve it (see section "05. Useful features").

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## 09. Specifications

**!** *The manufacturer reserves the right to make software and engineering alterations in the device which are not described in this User Manual or specified in the table of specifications below.*

Moniron Dec POS	
Device type	Automatic currency detector
Currency type	EURO
Banknote orientation in the loading tray	Random
Detection	Integrated analysis: Infrared detection • Ultraviolet detection • Magnetic detection • Spectral analysis of ink • Optical density detection • Banknote size detection
Indication	Audio • Color-coded LED indication of banknote authenticity
Verification speed, banknotes per minute	70
Port for PC connection	USB 2.0 (type B)
Power	Voltage: 12 V Consumption current: max. 0,6 A Power supply: 100-240 V, 50/60 Hz (AC adapter or car adapter can be used)
Operating temperature, C°	+10 ~ +40
Dimensions, mm	168×136×67
Net weight, kg	0,49

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## 10. Support and Maintenance

If you need additional information on software updates, service and maintenance specifics, or have other questions about this equipment use and operation, please visit [www.moniron.com](http://www.moniron.com) or contact our customer support at: +49 40 657 98 07 68. The basic software version upgrade is a paid service.

## 11. Warranty

The Manufacturer warrants successful 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 Manual.

**EN** Please keep the original packaging, User Manual and a filled warranty certificate. The warranty is revoked in case the device is 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 and operation, and 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 service clean, free of dust and dirt. Cleaning services are not included in warranty maintenance and are provided at extra charge.

Warranty maintenance and services do not include training on the device operation and any functions aimed to ensure its performance (connecting, testing, adjustment, routine maintenance, etc.) which can be performed by the owner according to the instructions in this User Manual.

The Manufacturer reserves the right to make alterations in the software and engineering design of the device which are not described in this User Manual.

Warranty services are not provided if:

- the warranty certificate is missing or incorrectly filled;
- the information in the warranty certificate is edited;
- the operating instructions specified in the "Operating Instructions" section have not been followed;
- the device has mechanical damages;
- there are foreign items or liquid inside the device;
- there is evidence that the sealed device has been opened.

This warranty does not cover accumulators, power adapters, power supply units, connectors, lamps, batteries, belts, fuses, brushes, parts of the device housing and/or any other parts which have their own limited uptime. The warranty does not cover the 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.

Die ersetzten Defektteile gelten als unser Eigentum. Einen Transport der defekten Technik in unser Service-Center übernehmen Sie auf Ihre eigene Kosten.

*More information about Moniron Dec POS automatic currency detector is available at [www.moniron.com](http://www.moniron.com)*



[www.pro-intell.com](http://www.pro-intell.com)

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