210.00 mm

Newland | Where payment happens, Where **NEWLAND** discovered.

P180 POS Terminal

Quick Reference Guide

Accessories

RJ45+USB+DB9 (Optional)

AC&DC adapter

UK AC plug, IEC Type-G (Optional)

EU AC plug, IEC Type-E (Optional)

US AC plug, IEC Type-A (Optional)

Cable	DB9+RJ45+Power	Optional
	RJ45&TEL+Power	Optional
	Type-A USB+Power	Optional
	Customized Cables	Optional
	DB9+RJ45+Type-A+Power multifunction cable	Optional

- Please check the items when you receive the product and if there is anything defective or missing, please contact your terminal provider.

Introduction

- This is a new multi-functional and configurable POS terminal - P180. It has different optional configurations and accessories. Please select accordingly by referring to this document and your supplier's suggestion.

- Read this manual before use and make the best use of your terminal. It presents you the necessary information about use, installation, maintenance, safety and security recommendations.

⚠ **WARNING:**
Use only the power supply included with the product to ensure best performance and safety. Maintenance should only be provided by Newland authorized technicians. Failure to comply with these instructions will void the manufacturer's responsibility.

Overview of the Terminal

(Straight headed cable)

Desk-top type

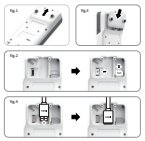
Bracket type

Installation

- **Recommendations**
  The terminal should keep away from very hot zones, protected from vibrations, dust, damp and electromagnetic radiation (computer screen, wireless intercom, etc.)
- **Environment condition**

Operating temperature	-10℃~45℃ (22°F~110°F)
Storage temperature	-20℃~70℃ (-4°F~150°F)
Relative humidity	5% – 95% (Non-condensing)

Installing SAM/MicroSD Card/HDMI



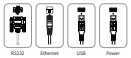
- **Step 1:** Remove the fixed screws and the wire cover in the direction indicated by the arrow.(fig.1)
- **Step 2:** According to the SAM/MicroSD card position of the engraved marks or pasted on the rear case, load the required cards. Be sure to put the cut corner as indicated on the engrave or pasted marks.(fig.2)
- **Step 3:** Install the upper cover in the direction indicated by the arrow and fix it with screws.(fig.3)
- **Step 4:** Insert horizontally according to the direction indicated by the arrow, and pay attention to the horizontal pull out when pulling out.(fig.4)

⚠ **Warning**
Please turn off the terminal before installing the SAM card or SD card.

Power On /Off

- **Note:** Plug in the power supply, and the device terminal will start automatically.
- **Power on:** Press " ⏻ " on the keyboard for about 1-2 seconds, The terminal is power on.
- **Power off:** Press and hold " ⏻ " button on the keyboard for 2-3 seconds, and there will be a " power off " prompted on the screen, then the terminal will be shut down. Press and hold " ⏻ " button on the POS terminalkeypad for 8-10 seconds, then POS will be forcedshutdown.
- **Note:** Please unplug the power supply to power off if the terminal is not responding.

External Connections



⚠ **Warning**
Do not connect any peripheral equipment not authenticated by Newland to avoid damage.

Reading Card

Chip card
Insert the card horizontally with the chip facing upwards and leave in position throughout the transaction.

Contactless Card
It is located in the upper half of the display area. Taking the upper edge of the entire machine as the boundary, aside the card over the contactless area at a distance not more than 40mm.

Magnetic Stripe Card
Please swipe the magnetic stripe card with the magnetic stripe facing towards the display. Please swipe the card vertically, with the card parallel to the body. Make sure that the magnetic stripe card is pressed tightly against the card reader and swipe it through as smoothly as possible.

Troubleshooting

- **I. Can't read the magnetic card or the card swiping has a low success rate**
  1. Check that the magnetic card is swiped correctly (with magnetic band on terminal side).
  2. Check if there are any bugs or dirt on the magnetic head. Please clean it.
- **II. IC cards can't be read**
  1. Make sure you have inserted the chip card correctly into the chip card reader (with the chip facing up).
  2. Check whether the card slot is blocked or whether the card is in the correct position.
- **III. LCD screen not illuminated**
  1. Check whether the power supply is connected to the electrical outlet correctly.
  2. Check whether the power supply connector is connected to the POS terminal correctly.
- **IV. Communication failure**
  1. Check whether the cable is connected properly.
  2. Check whether the signal of handheld device is strong enough.

Safety

- 1. Please be sure to take to comply with the specifications in this document.
- 2. Do not use in proximity of potentially flammable gases or substances.
- 3. Do not disassemble the terminal and power adapter.
- 4. Cut off the power immediately, when there is unusual smell, overheating or smoke.
- 5. Do not use in a near water or humid environment to prevent liquid from entering the device.
- 6. Do not use the terminal in extremely cold and hot zones, such as near a fire.
- 7. Do not drop, throw or bend the device.
- 8. Use in clean environment to avoid entry of small objects into POS terminal.
- 9. Do not use near nearby hospital equipment without permission.
- 10. Do not use terminals with radio communication on and near the aircraft, or in any other place where radio communication is prohibited.

Security of Your Terminal

Your device fulfills current applicable PCI PTS security requirements. Upon receipt your terminal you should check for signs of tampering of the terminal. It is strongly advised that these checks are performed regularly after receipt (Be sure the circumstance is brightness or you may use a light tool as well).

- 1. Check the product name and the hardware version on the label to ensure the product is correct.
- 2. Check if there are bugs hidden in the Chip card slot before Chip card is inserted.
- 3. Check whether the magnetic card slot has the exception of adding magnetic head.
- 4. Check the appearance of the product to guarantee the device without being modified.
- 5. Before entering the PIN, the user should be aware of his/her surroundings and use the body, fingers or protection to block the peeper's sight.

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CE

FCC Statement

1. Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.
2. This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:
   (1) This device may not cause harmful interference, and
   (2) this device must accept any interference received, including interference that may cause undesired operation.
3. This equipment complies with FCC radiation exposure requirement set forth for an uncontrolled environment.
4. This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:
   —Reorient or relocate the receiving antenna.
   —Increase the separation between the equipment and receiver.
   —Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
   —Consult the dealer or an experienced radio/TV technician for help.

FCC Radiation Exposure Statement

- This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

This equipment should be installed and operated with minimum distance 20cm between the radiator &you body.

74.25 mm

297.00 mm