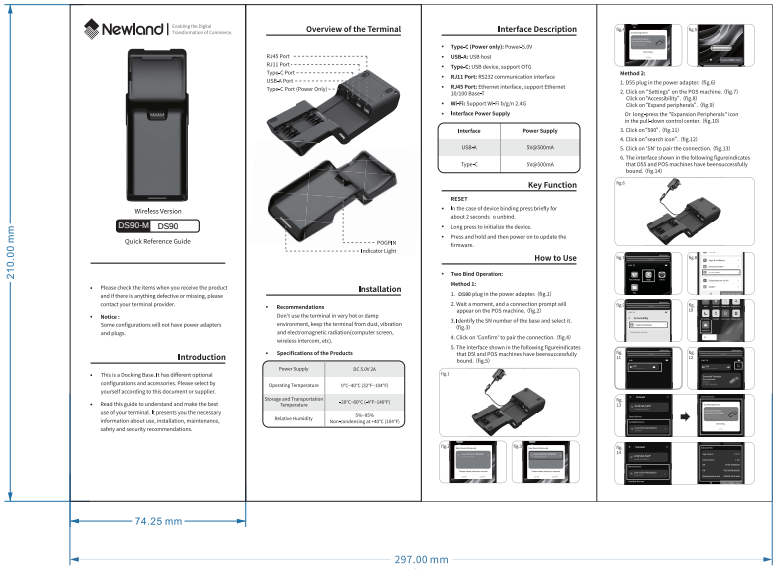


Newland | Enabling the Digital Transformation of Commerce.

Wireless Version

DS90-M | DS90

Quick Reference Guide

- Please check the items when you receive the product and if there is anything defective or missing, please contact your terminal provider.
- **Notice：**
 Some configurations will not have power adapters and plugs.

Introduction

- This is a Docking Base.It has different optional configurations and accessories. Please select by yourself according to this document or supplier.
- Read this guide to understand and make the best use of your terminal. It presents you the necessary information about use, installation, maintenance, safety and security recommendations.

Overview of the Terminal

Installation

- **Recommendations**
 Don't use the terminal in very hot or damp environment, keep the terminal from dust, vibration and electromagnetic radiation(computer screen, wireless intercom, etc).
- **Specifications of the Products**

Power Supply	DC 5.0V 2A
Operating Temperature	0℃~40℃ (32℉~104℉)
Storage and Transportation Temperature	-20℃~60℃ (-4℉~140℉)
Relative Humidity	5%~85% Non-condensing at +40℃ (104℉)

Interface Description

- **Type-C (Power only):** Power=5.0V
- **USB-A:** USB host
- **Type-C:** USB device, support OTG
- **RJ11 Port:** RS232 communication interface
- **RJ45 Port:** Ethernet interface, support Ethernet 10/100 Base-T
- **Wi-Fi:** Support Wi-Fi b/g/n 2.4G
- **Interface Power Supply**

Interface	Power Supply
USB-A	5V@500mA
Type-C	5V@500mA

Key Function

RESET

- In the case of device binding press briefly for about 2 seconds o unbind.
- Long press to initialize the device.
- Press and hold and then power on to update the firmware.

How to Use

- **Two Bind Operation:**

Method 1:

1. DS90 plug in the power adapter. (fig.1)
2. Wait a moment, and a connection prompt will appear on the POS machine. (fig.2)
3. Identify the SN number of the base and select it. (fig.3)
4. Click on 'Confirm' to pair the connection. (fig.4)
5. The interface shown in the following figure indicates that DS and POS machines have beensuccessfully bound. (fig.5)

Method 2:

1. DS5 plug in the power adapter. (fig.6)
2. Click on "Settings" on the POS machine. (fig.7)
 Click on "Accessibility". (fig.8)
 Click on "Expand peripherals". (fig.9)
 Or long-press the "Expansion Peripherals" icon in the pull-down control center. (fig.10)
3. Click on "S90". (fig.11)
4. Click on "search icon". (fig.12)
5. Click on 'S%' to pair the connection. (fig.13)
6. The interface shown in the following figure indicates that DS5 and POS machines have beensuccessfully bound. (fig.14)

- **Operations for Unbinding:**
 Short press the DS&E reset button for about 2 seconds to unbind. (fig. 15)



LED Status

DS/E LED	State	Notes
Light	Blend connection successful.	/
Flicker	Bound and waiting connection.	On for 200ms Off for 200ms
Flicker	Wait for the binding connection.	Flicker On for 100ms Off for 100ms

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, power supply.
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 base.
9. Do not use near 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.

FCC

Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

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.
2. This device must accept any interference received, including interference that may cause undesired operation.

- **Note**

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:

1. Reorient or relocate the receiving antenna.
2. Increase the separation between the equipment and receiver.
3. Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
4. Consult the dealer or an experienced radio/TV technician for help.

FCC Radiation Exposure Statement:
This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

Troubleshooting

- **1. The terminal does not powering on**
 1. Please make sure using Produce-matched power supplies.
 2. Confirm the power is connected correctly.
- **2. Can't connect Eth**
 1. Ethernet light display is normal.
 2. Restart Docking Base.

Standards

- **CE Marking**
 The CE marking indicates DS5 complies the requirements of European Directive 2014/53/EU on Radio and Telecommunications Terminal Equipment for:
 1. The protection of the health and the safety of the user and any other person.
 2. The protection requirements with respect to electromagnetic compatibility.

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