QUICK GUIDE v.1.0.0

MDS-E100 / MDS-R100 / MDS-T100
MDS-F100 / MDS-A100

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How to use

**For more information
please refer to online user manual.**

Introduction

Up to now, ophthalmology examination still highly depends on labor resource to maintain data. Although modern medical devices become more and more accurate, there exists no integrated system to turn data into structured records. It costs time to organize data and type them into HIS, which causes two critical problems, low efficiency and typos.

The MDS is a total solution to solve these two problems. It automatically fetches data directly from device (which eliminate typo) and intelligently transfer data into e-records (which makes efficiency). The MDS also provides integrated record retrieval interface that helps staff realize patient situation in graphical and statistical manner.

FC CE RoHS

Features

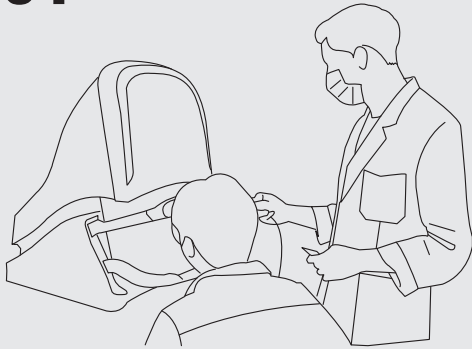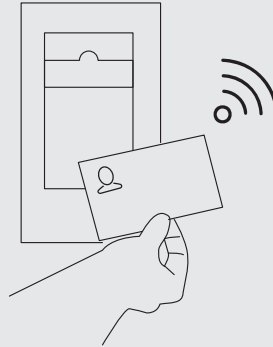|			
Support various Output-ready medical devices		Suitable for both clinics and hospitals	
Flexible patient identification methods		Automatic data transmission	
Data security		Lightweight /Deep-coupling HIS integration	
Data analysis		Ready for customization	

Usage Scenario

01

Test

02

Identify
Scan / Read card

04

Retrieve
Doctors read the e-records

03

Tonometer Gateway

OD   OS
IOP
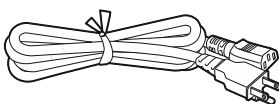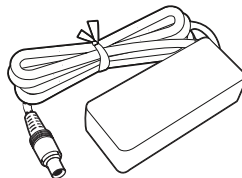15.0   16.0
          CCT
565
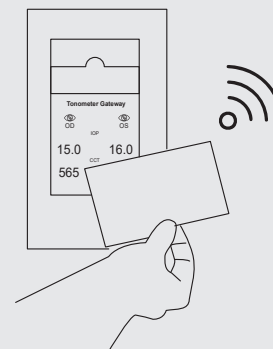
Transfer
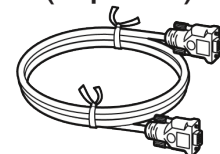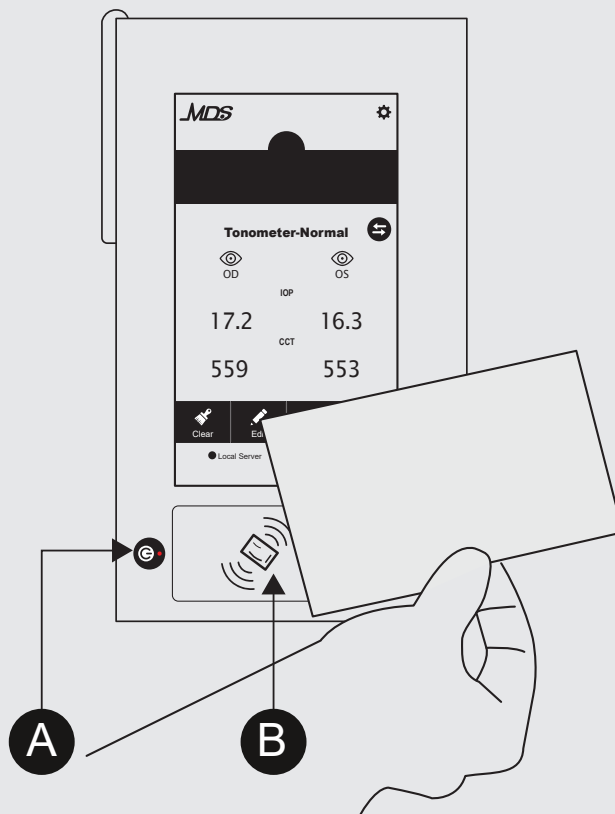Fetch data and upload
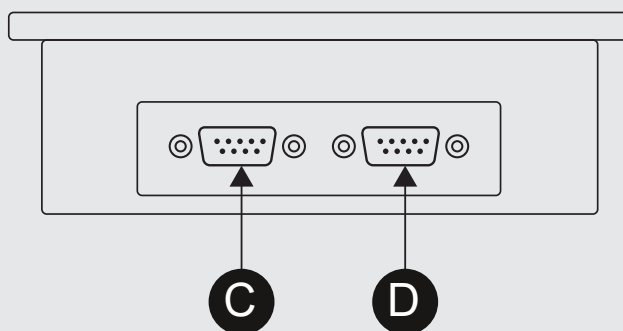
Accessories

Power cable
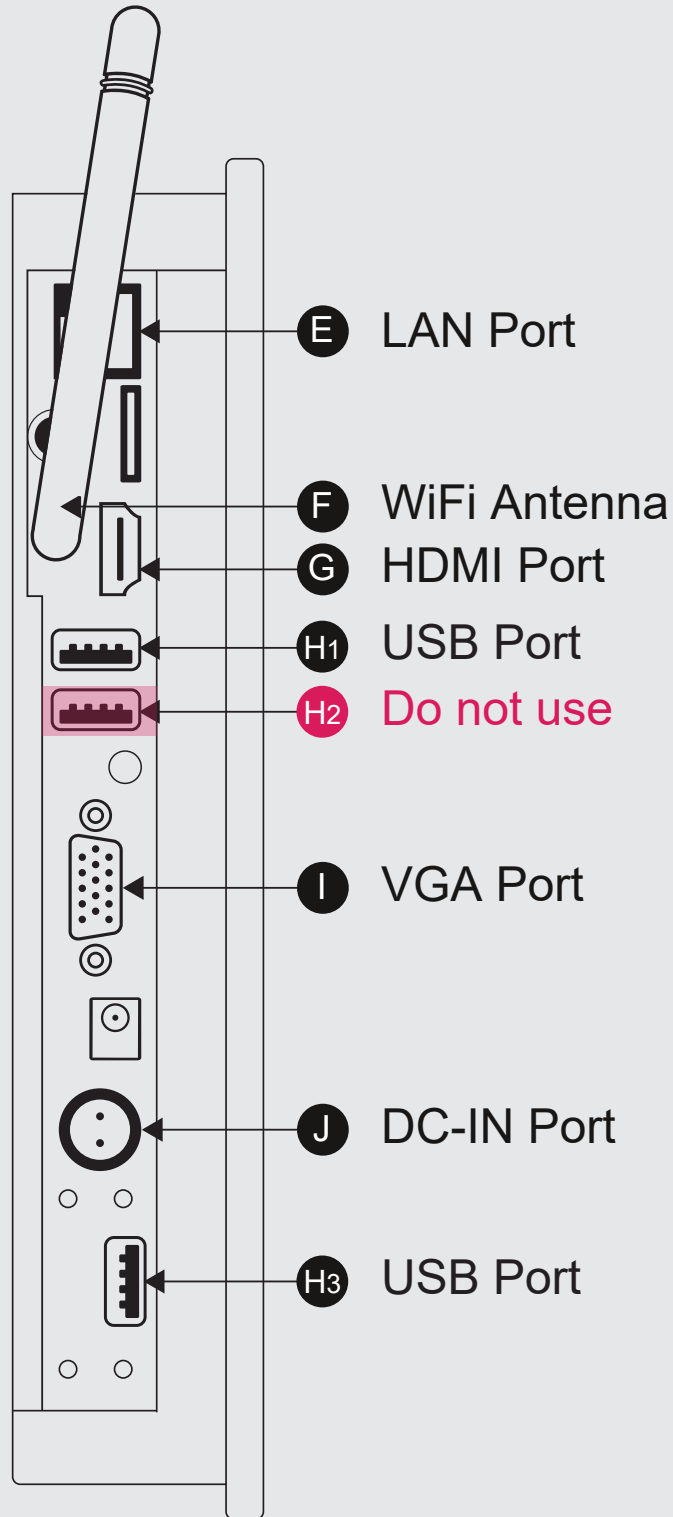
Adapter

RS232
(Option)

Device Overview

Front View

A Power Key

B RFID Reader

Bottom View

C COM Port 1

D COM Port 2

Side View

E LAN Port

F WiFi Antenna

G HDMI Port

H1 USB Port

H2 Do not use

I VGA Port

J DC-IN Port

H3 USB Port

Specifications

Supported devices：see website for detail (www.mdslinx.com)

Dimensions：250×135×43mm (W x D x H)

Weight：1.25kg

Screen：7-inch multi-touch display

Communication：RJ45 ethernet . WI-FI

Patient Identification：Standard Edition：IC card

Advanced Edition：IC card, RFID

Enterprise Edition：IC card, RFID, barcode, QR code

Mounting：VESA 75mmX75mm

Power Supply：12-24VDC

Power Consumption：10W

Data Input：RS232, USB, Network

Record Output：Standard Edition：TXT, CSV, JPG files on network drive

Advanced Edition：Network Drive/Database

Enterprise Edition：Network Drive/Database/WEB Service

EMR System：Customized integration with NRE or MDS Data retrieval

EMR system.

MDS Installation

POWER

Take out the MDS, adapter, and power cable from MDS box.
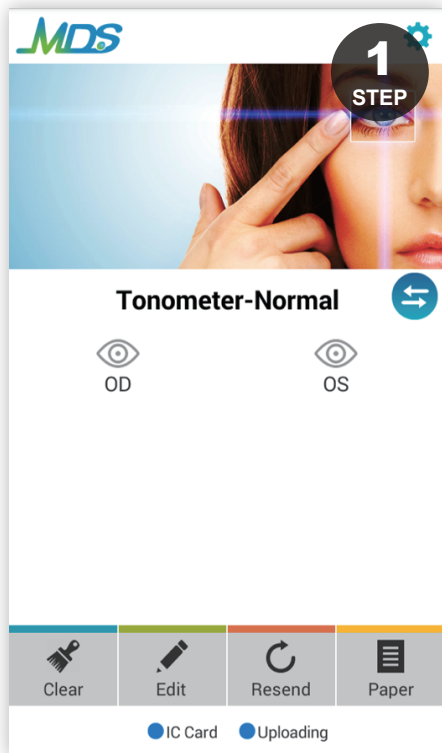

Plug the power cable with the adapter.

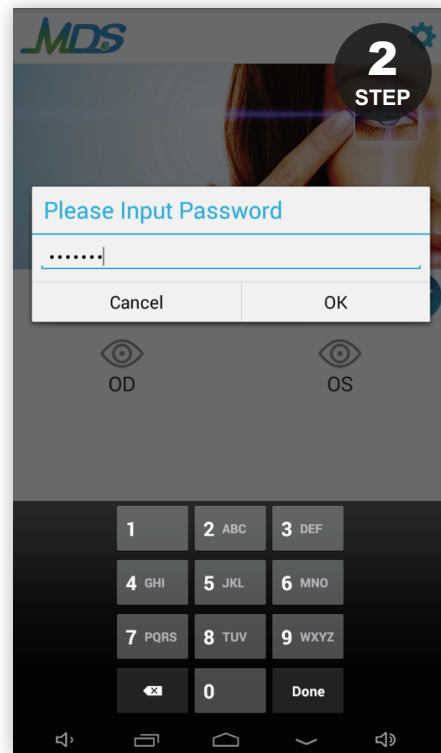Plug the adapter into MDS power connector.

Turn on the power and then MDS will auto start.
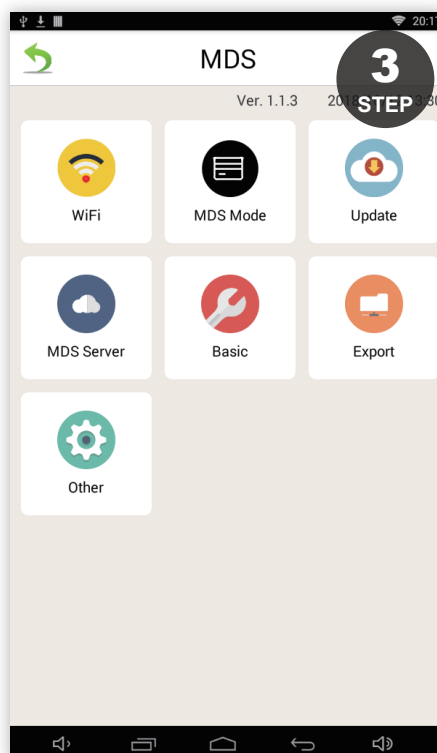Long press power key can switch on/off the MDS.

MDS Setting
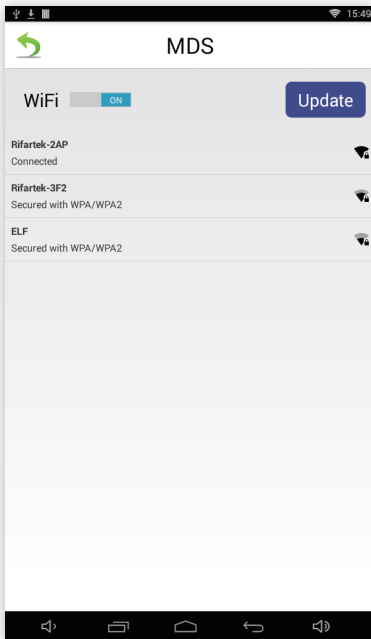

Press the setting icon on the top-right
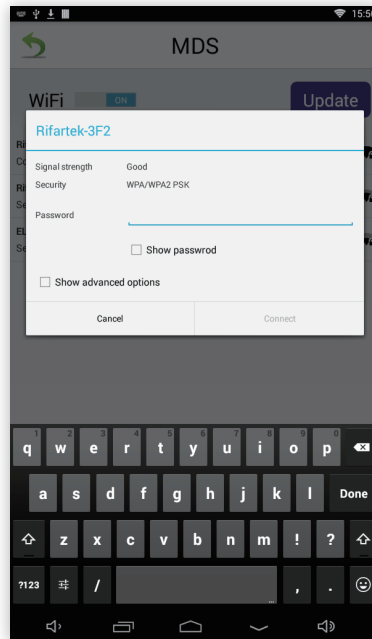

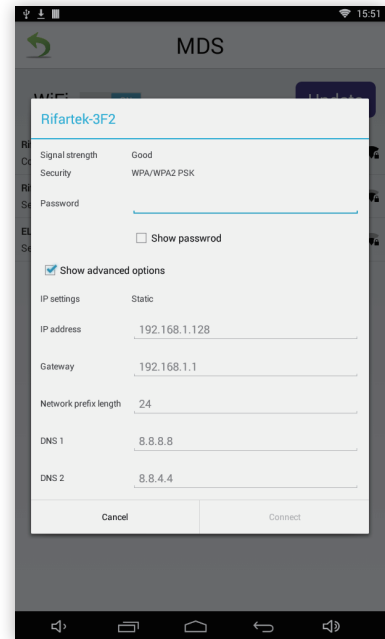The default password is "5586888"

Setting Page

WiFi

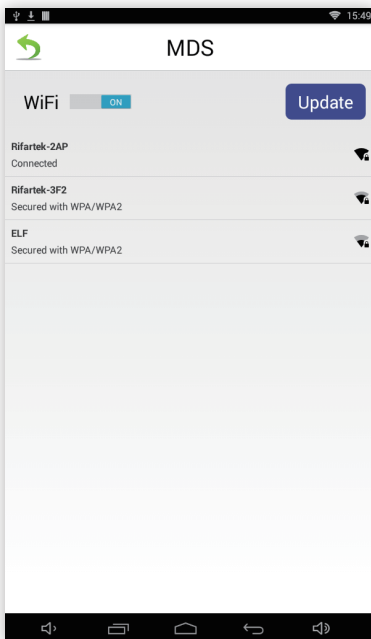You can press the ''Update'' button to reload WiFi list in the setting page.

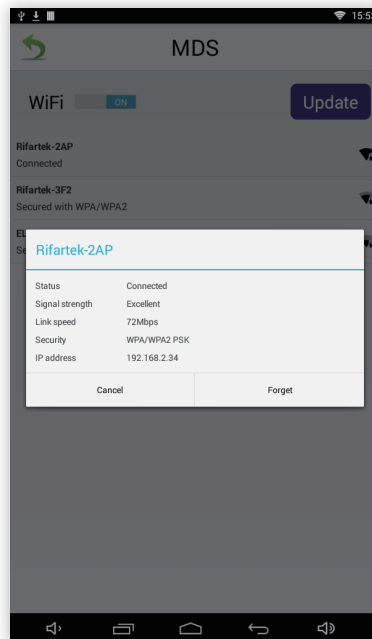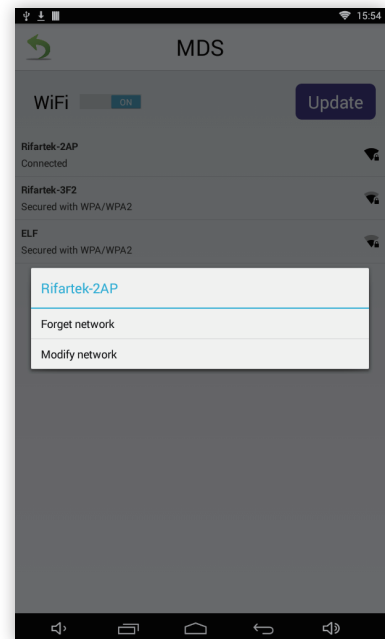Press the SSID which you want to connect.

If you want to connect to WiFi by static, press ''show advanced options''.

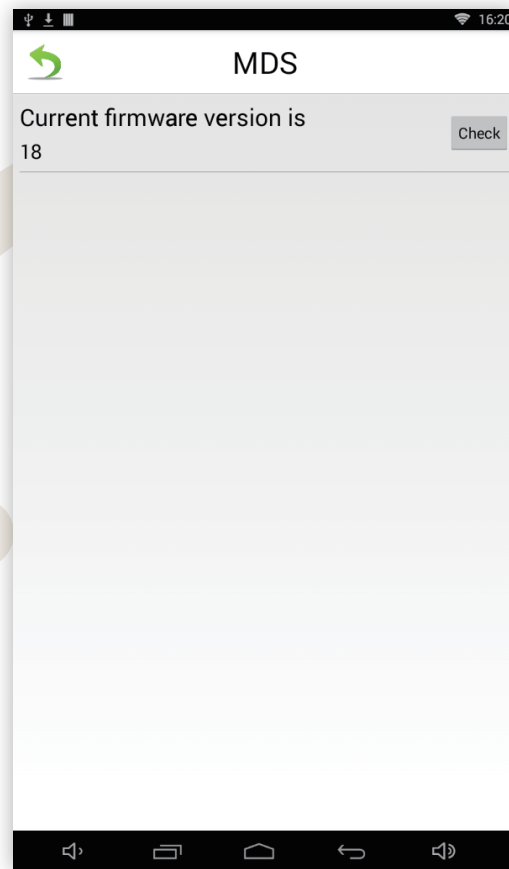When WiFi connected, the subtitle will show ''connected''.

Short press the SSID will pop-up the status' dialog or the selecting dialog.

Long press the SSID will pop-up the selecting dialog.

Update

This page will check online status and notify whether there is a new version.

MDS Server

Input the server IP, and it will check the server is alive or not automatically.

Local Server:
- 🔴 : No WiFi or the server is un-reachable.
- 🟢 : The server is alive.

The Latest Version:
- 🔴 : There is a new version for updating, go to "Update Menu" for further information.
- 🟢 : It's the latest version now.

> If you don't need a server, input a random well-formatted IP address with port. And also check the ''Not Report Server'' checkbox.
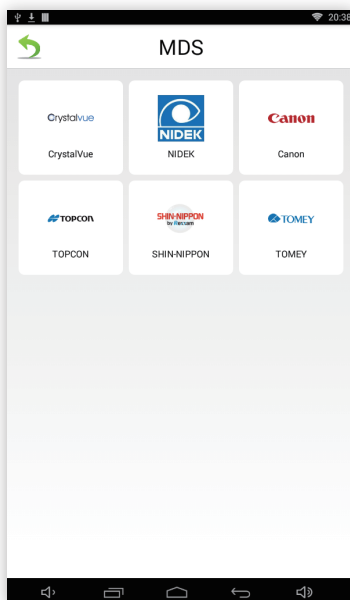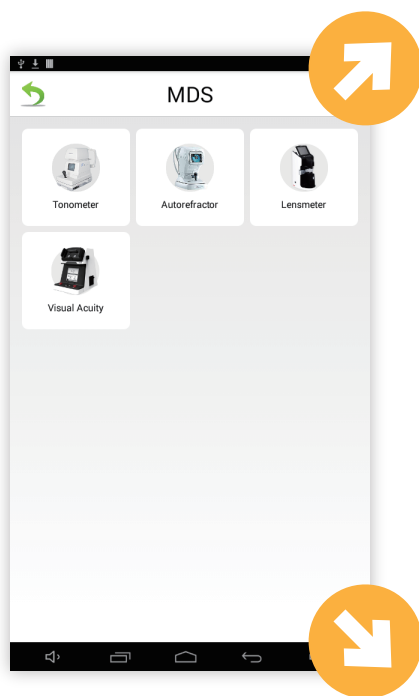
How to use

The latest machines support list will show in our website

www.mdslinx.com

RS232 Mode

Choose connected device (Please check online-web and upgrade MDS firmware for more supported device.)

Tonometer
- CRYSTALVUE: TonoVue
- NIDEK: NT-530P, NT-510
- CANON: TX-20P, TX-F
- TOPCON: CT-80
- SHIN-NIPPON: NCT-200
- TOMEY: FT-1000
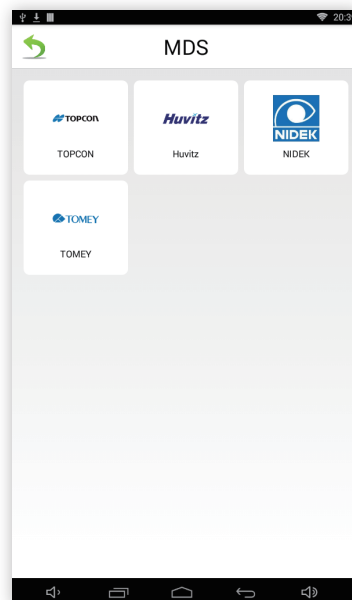
Autorefractor
- TOPCON: KR800, KR 8800, KR8900
- HUVITZ: HRK7000, HRK-8000A
- NIDEK: ARK-1, ARK-1A, ARK-510A
- TOMEY: RC-5000
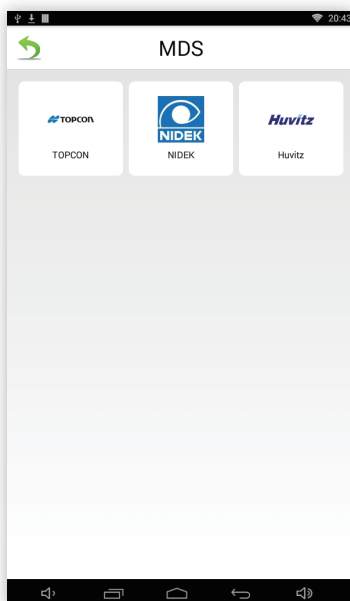
Lensmeter
- TOPCON: CL-100
- NIDEK: LM-7, LM-7P
- HUVITZ: HLM-7000
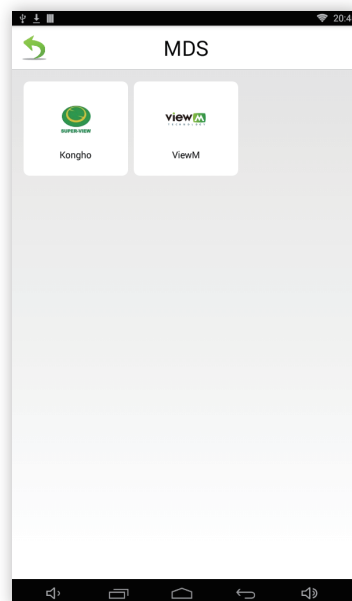
Visual Acuity
- KONGHO: KH525
- VIEWM: VAA-2000

Use Crytalvue Tonometer as demonstration **RS232 Mode**

STEP 1

STEP 2
Plug one end of the RS232 Cable in the device.

STEP 3
Plug the other end of the RS232 cable in the left RS232 slot of MDS.

STEP 4
The MDS is enabled to get data from the tonometer
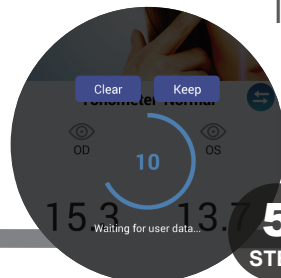
STEP 5
After examination, the result will show on the MDS automatically.

STEP 6
Identify the user profile by one of the following methods.

STEP 7

Tap an RFID card on the NFC part of the MDS.

or

Insert an IC card into the IC card reader.

or

Scan a visit code with the Barcode Scanner.

STEP 8

Upload the data to the Server.

Export the data to a samba path in four types (TXT, PDF, CSV, and JPG).

Image Mode

Choose connected device (Please check online-web and upgrade MDS firmware for more supported device.)

KOWA: Nonmyd 8, Nonmyd7.

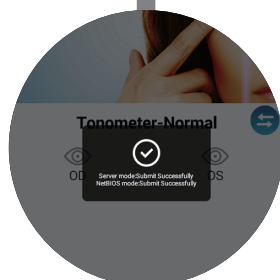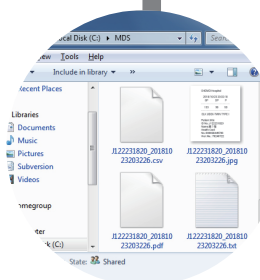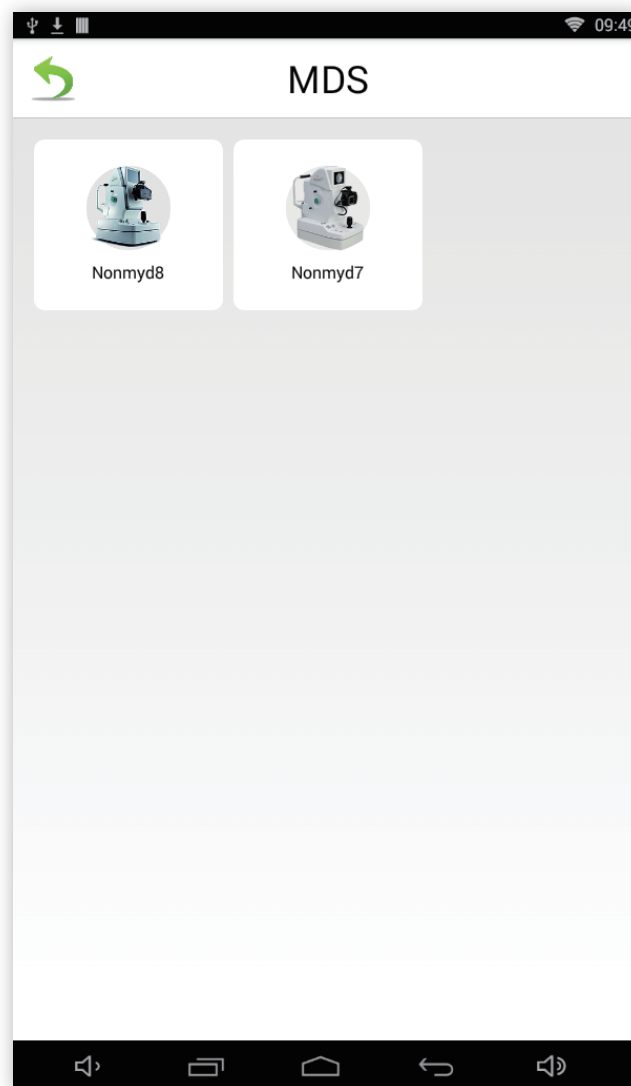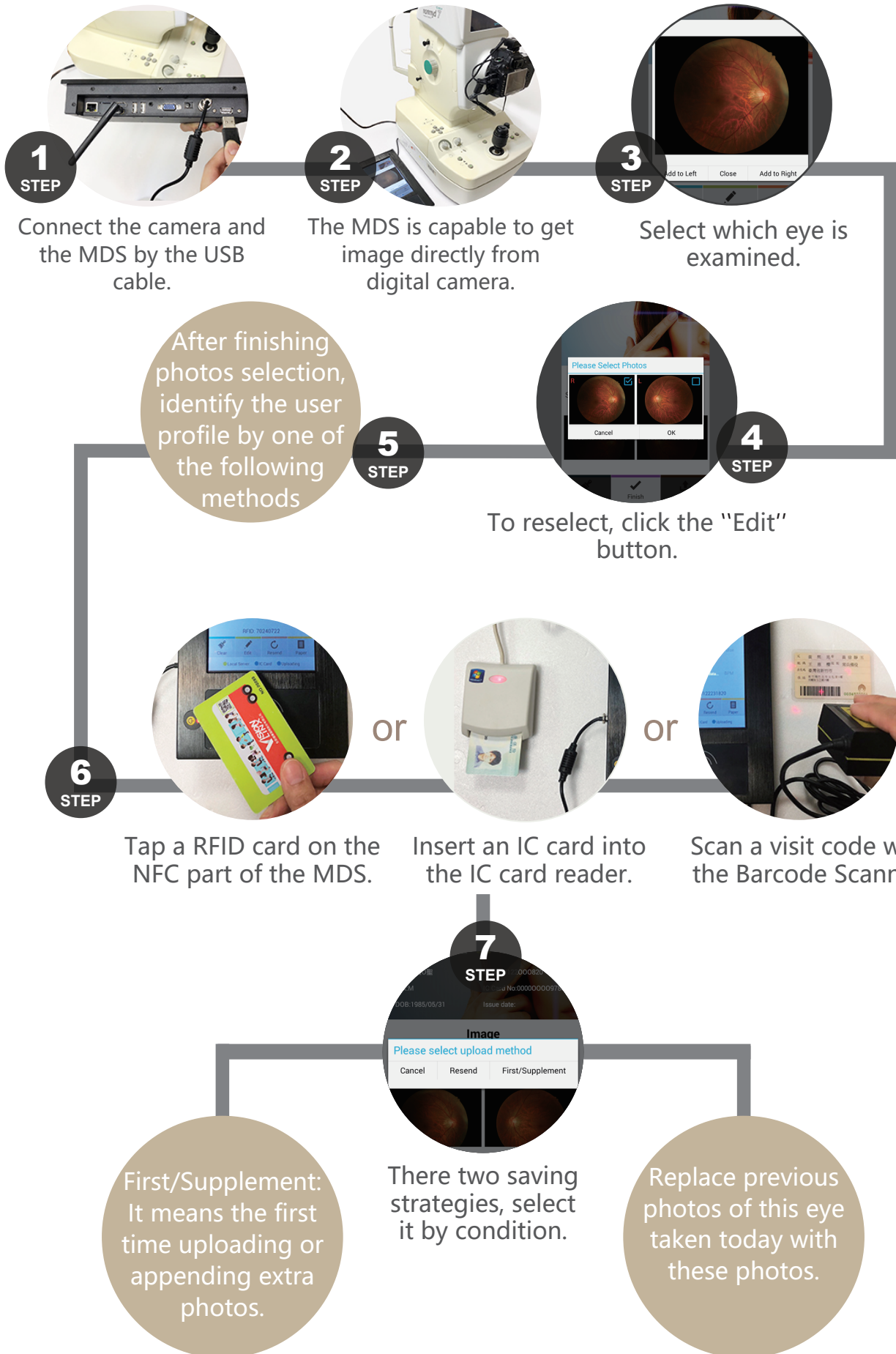# Use KOWA nonmyd7 as demonstration

STEP 1

Connect the camera and the MDS by the USB cable.

STEP 2

The MDS is capable to get image directly from digital camera.

STEP 3

Select which eye is examined.

STEP 5

After finishing photos selection, identify the user profile by one of the following methods

STEP 4

To reselect, click the "Edit" button.

STEP 6

Tap a RFID card on the NFC part of the MDS.

or

Insert an IC card into the IC card reader.

or

Scan a visit code with the Barcode Scanner.

STEP 7

First/Supplement: It means the first time uploading or appending extra photos.

There two saving strategies, select it by condition.

Replace previous photos of this eye taken today with these photos.

MDSLiNX
Asia

VISION⁺LINX
Taiwan

Date of purchase :

Serial number :

Model :

When requesting maintenance, please submit your serial number and model number.

MDSLiNX

✉ service@mdslinx.com

🌐 www.mdslinx.com

VISION⁺LINX

✉ service@visionlinx.com

🌐 www.visionlinx.com

Designed by

R 瑞賦科技
ifartek

📞 +886-3-558-6888   🖨 +886-3-558-9001

✉ service@rifartek.com

🌐 www.rifartek.com