

CSD-SD-01106

vPost
Instruction manual

 CHUO ELECTRONICS CO.,LTD

Precautions

- In order to use equipment correctly, Read this entire manual before you plug a power outlet into equipment.
- This equipment has been tested and found to comply with the limits for a ClassA digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.
- 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.
- This equipment is Contains Transmitter with FCC ID: R68WIPORTG of WiPort.
- This equipment is not intended for use in the operation of nuclear facilities, aircraft navigation or communications systems, air traffic control systems, or for any other uses where the failure of the computer system could lead to death, Personal injury or severe environmental damage.
- For your safety, use only a genuine attached AC adaptor for the equipment. Other types may cause fire, electrical shocks or a malfunction.
- RF Exposure: A distance of 20 cm shall be maintained between the antenna, and the transmitter may not be co-located with any other transmitter or antenna.
CAUTION: Any changes or modifications not expressly approved by the party responsible for compliance could void the users authority to operate this equipment.

safety

Warning

- The only way to turn off power completely is to unplug the power cord. Make sure power cord is within easy reach so that you can unplug.
- If continue to use in the following situations, there is the potential danger of fire or electric shock. Turn off the power immediately, please unplug the power cable.
 - Heat, smoke, abnormal noise, or odor.
 - Contamination of water or foreign matter.
 - cable is damaged.
- Please insert the cable firmly into the product.
- Installation of the equipment, please do while the power supply is cut.

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1 General

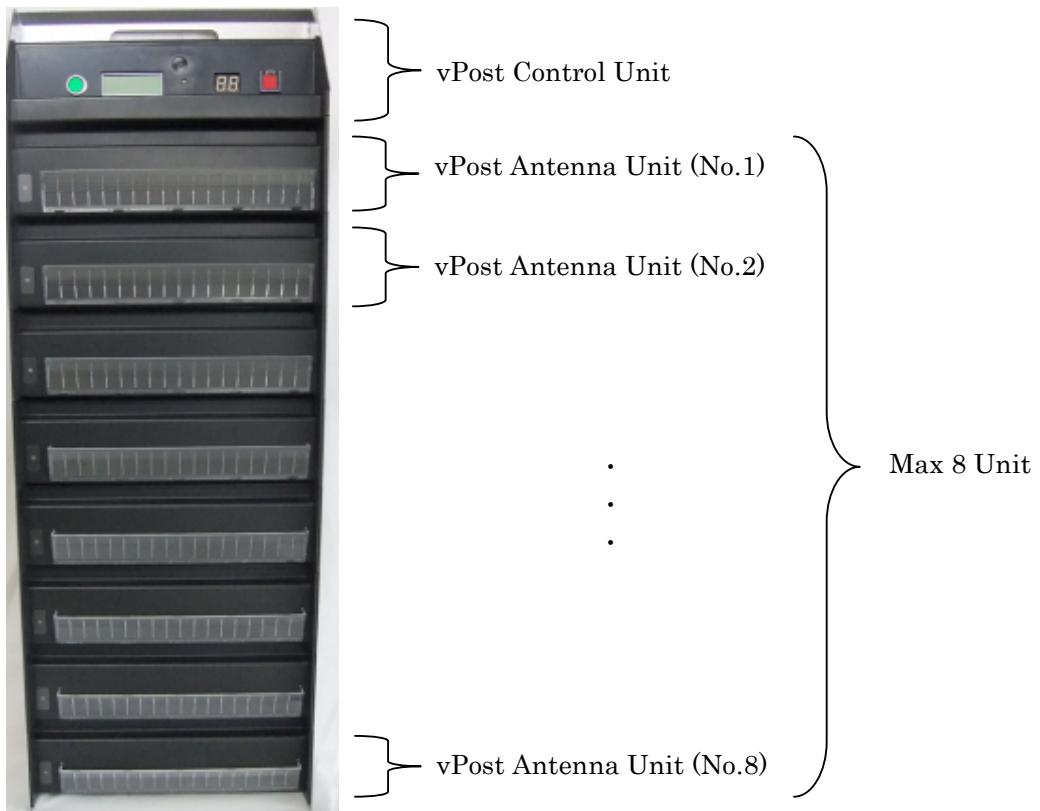
This document is a Instruction manual of vPost. vPost is RFID Reader that conforms to the ISO15693.

2 Checking the package contents

vPost	…1
AC/DC adapter	…1
AC Cable	…1
Instruction manual	…1

3 Device Configuration

vPost Control Unit(CU)support 8 vPost Antenna Units(AU).



CU: CU is to control RFID and Wifi

AU: RFID reader is included AU.

AC/DC adapter



AC Cable



4 How to operate

4.1 Specifications of wireless communication

RFID

Standard	ISO15693
Frequency Range	13.56MHz , +/− 50ppm
Type of modulation	Single carrier mode (half power) double sub carrier mode (full power)
compatible specification	CFR Title FCC Part15 Subpart C

Wifi

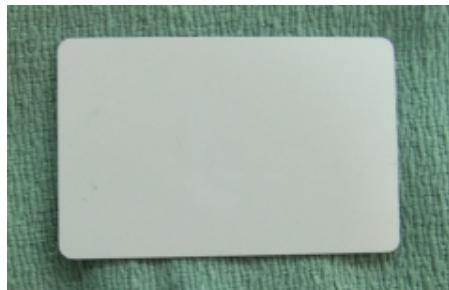
Net work Standards	IEEE 802.11b ; IEEE802.11g
Frequency Range	2.412 - 2.462 GHz
Radio Number selectable Subchannels	US 1-11 channels
Transmit Output Power	14dBm +1.5dBm/-1.0dBm
mode	infrastructure mode
compatible specification	CFR Title FCC Part15 Subpart C

4.2 RF tag type

vPost is compatible with RF tags of two types.

A :Card Type

85.6mm×54mm (ISO/IEC 7810:2003)

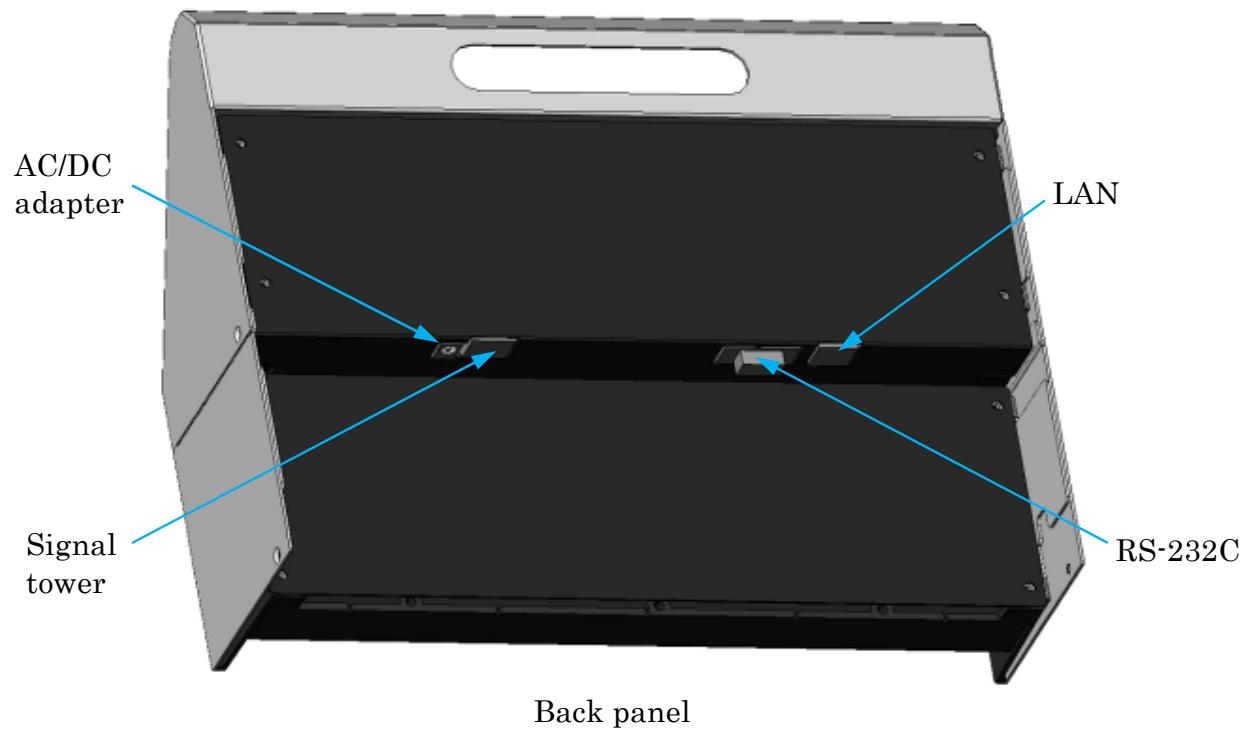


B :RECO-View

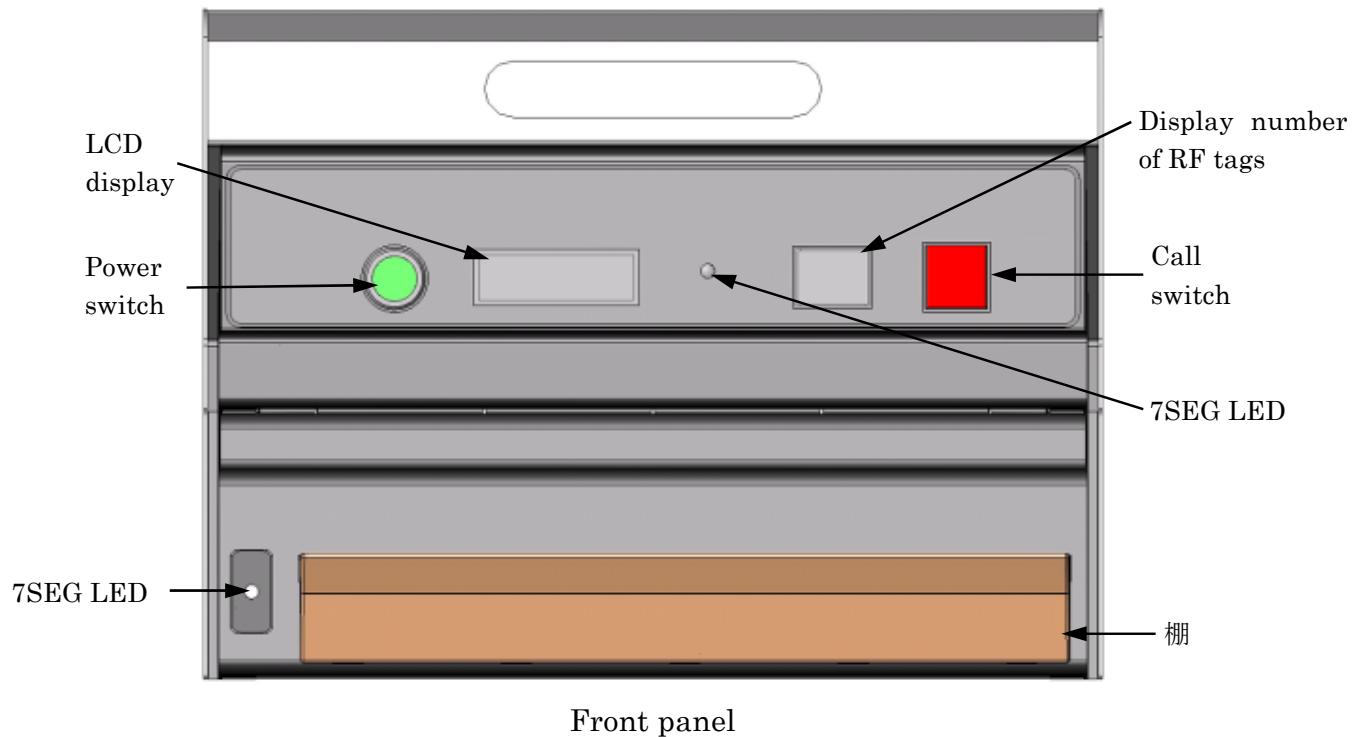
85mm×200mm



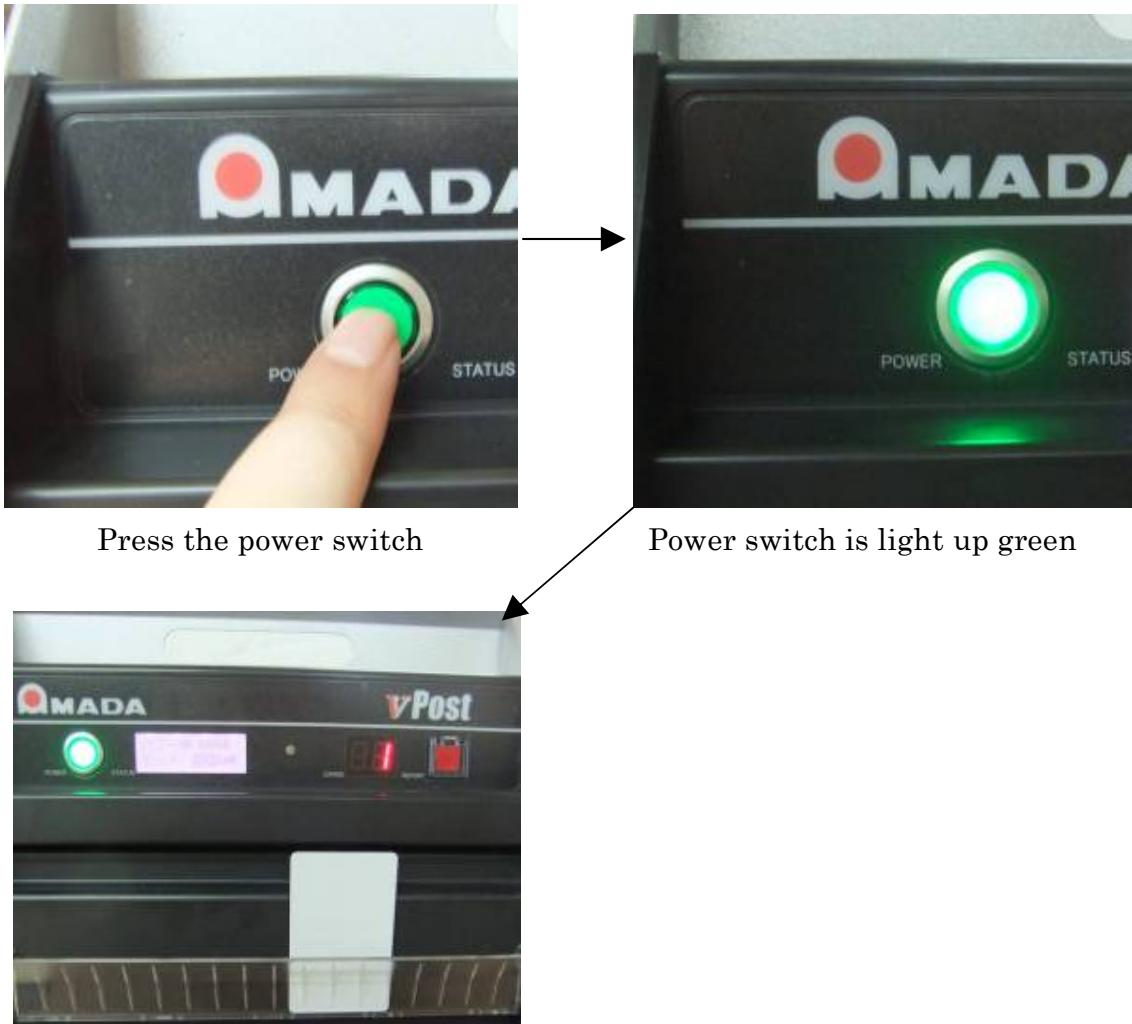
4.3 Connection



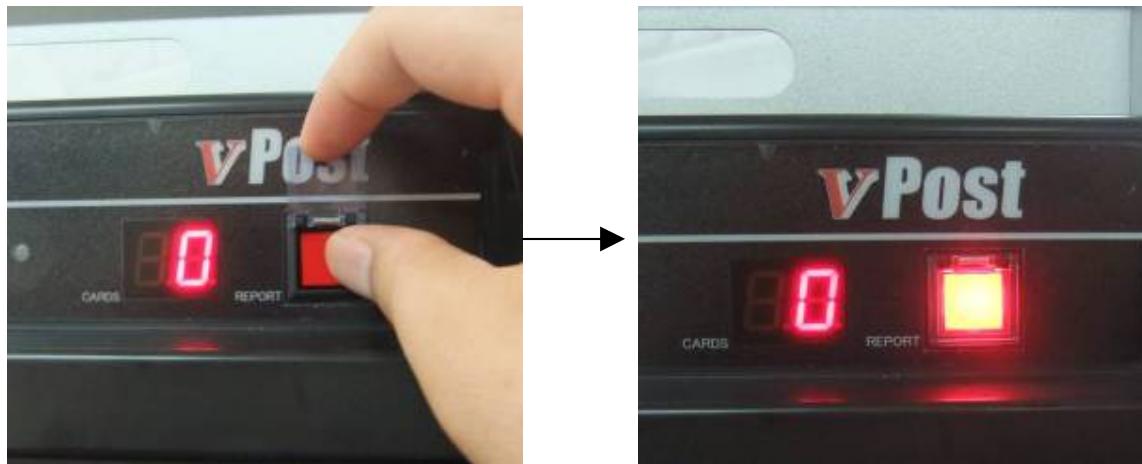
4.4 Operation section



4.5 Turning the system



4.6 send call



Open the cover and press the call switch

Call switch is light up red and to send call.

5 RF tag insertion and removal of

5.1 Maximum number



Card Types placed in the vertical
Max 4



Card Types placed in the horizontal
Max 3



RECO-View placed in the horizontal
Max 1

5.2 Normal insertion



Card Type placed in the vertical



Card Type placed in the horizontal



Card Types placed in the vertical

*If want to insert multiple cards, it is necessary to open the interval of the card.

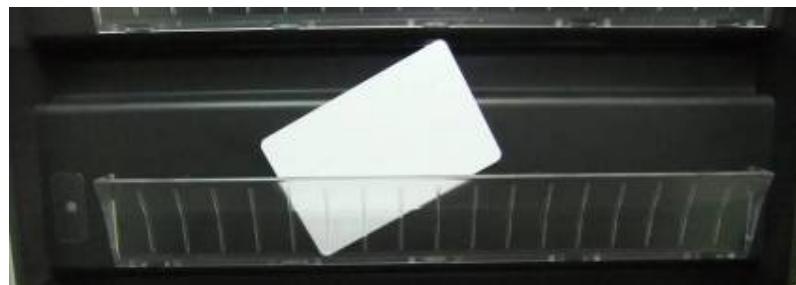


RECO-View placed in the horizontal

5.3 Abnormal insertion

Will not be able to read the RF tag in this method.

A : Inserted into the diagonal



Card Type



RECO-View

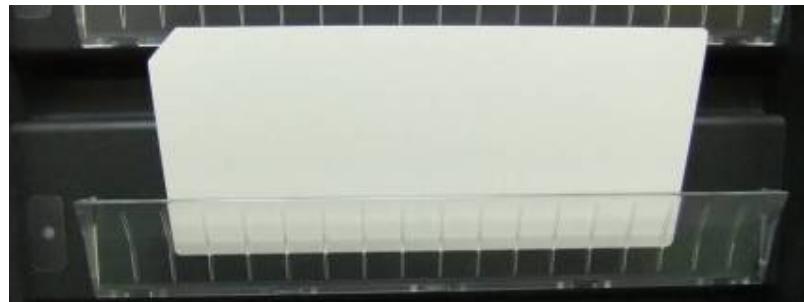
B : Insert is not sufficient



Card Type placed in the vertical



Card Type placed in the horizontal



RECO-View placed in the horizontal

C : RF tags are overlapped



Card Type placed in the vertical



Card Type placed in the horizontal

6 Information sent to the server

About the information that is sent to the server, please check the software specification manual separately. (LAN, wireless LAN, RS-232C)

7 Power requirement

AC100 - 240V 47 – 63Hz

8 Environmental condition

Ambient temperature 0 - 40°C

Ambient humidity 20 - 80%RH

*Except for the condensation