USER GUIDE

Version 1.0.0

WRP-1000 Series

IAdea 10.1” All-In-One Meeting Room Panel with NFC & RFID, optional HID, and Touch

America

20 Fairbanks,
Ste, 170 Irvine, CA 92618
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Taiwan

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WRP-1000 10.1” All-In-One Room Panel

User Guide

Package content

Room panel

Flush wall mount bracket with screw

Glass mount 3M tape

Mount sheet

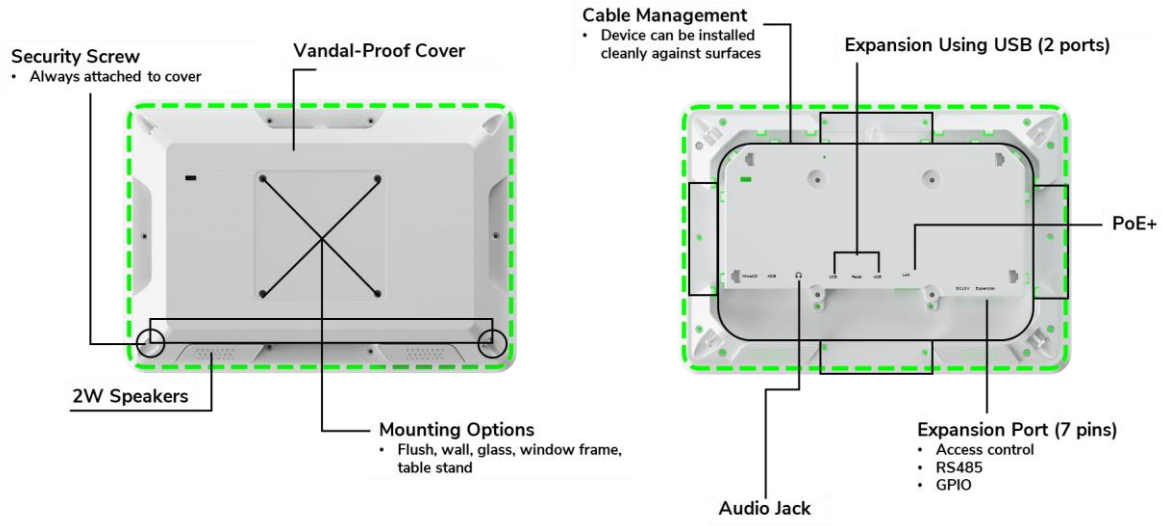
Cover sheet

Screws
M3 x 13
2 pcs &
1 spared
(For mounting at top two corners of flush mount)

Screws
M3 x 6
1 pc &
1 spared
(For mounting at the top center of flush mount)

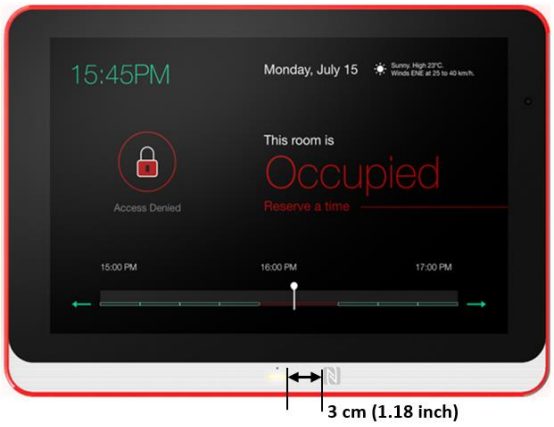
NFC logo sticker

Physical view and features

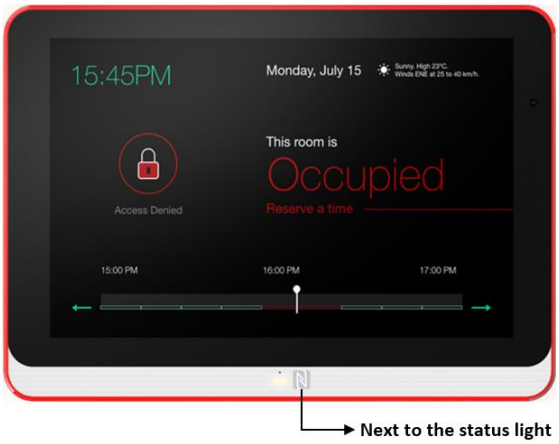


NFC detection area

For Model WRP-1000-A, the best recommended NFC detection area as following:



For Model WRP-1000-H, the best recommended NFC detection area as following:



Mounting and installation

Significant temperature deviations and changes in elevation or environment can lead the glass panel of the room panel to trap a slight amount of moisture. To avoid damaging the room panel, the condensation will require at least 2 - 4 hours to evaporate prior to usage.

Users are recommended to keep the mount bracket in direct contact with the to-be-mounted surface when operating the room panel to ensure the weight of the device is fully supported by the flush wall mount.

Mounting with VESA compatible mounting interface

This room panel accepts a MIS-D (75 mm x 75 mm) VESA-Compliant mounting interface and the recommended screw is M4 x 10 mm excluding bracket thickness.

Easy mounting

Fixing the screws from two corners at bottom of flush mount and the screw at the center top is a recommended procedure that is stable, easier, and faster when mounting the room panel.

Wall mounting with flush mount bracket and screw

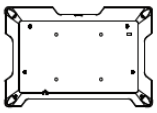
Step 1

Paste the mount sheet on the wall

Step 2

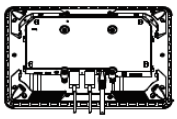
Drill the four mounting holes

Step 3



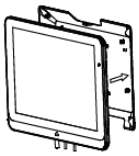
Install the mounting plate using the four screws

Step 4



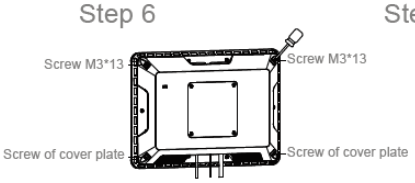
Plug in the required cables to the room panel

Step 5



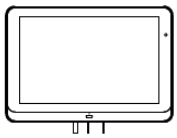
Attach the room panel to the mounting plate

Step 6



Lock the room panel to the mounting plate using a screw at each corner

Step 7



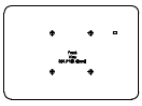
The room panel is ready to be brought online

Glass mounting with flush mount bracket and screw

Step 1

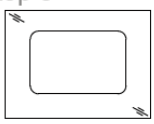
Paste sticker on the back of the mounting plate
Ensure the glass surface is clean and dry

Step 2



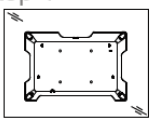
The mount sheet can be temporary fixed on the other side of the glass to locate the area for the cover sheet.

Step 3



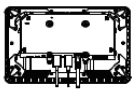
1.Affix the cover sheet to the glass surface.
2.Align the mounting plate to the cover sheet with the kensington lock hole.

Step 4



Affix the mounting plate to the glass surface

Step 5

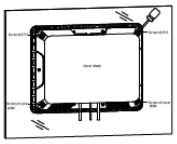


Plug in the required cables to the room panel

Step 6

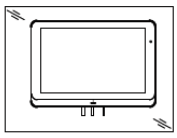
Attach the room panel to the mounting plate

Step 7



Lock the room panel to the mounting plate using a screw at each corner

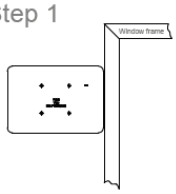
Step 8



The room panel is ready to be brought online

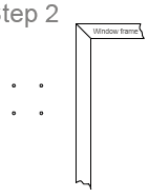
Mounting close to window frame

Step 1



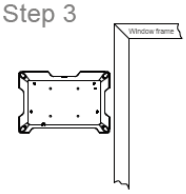
Align the mounting sheet guide parallel to the window frame

Step 2



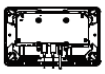
Drill the four mounting holes

Step 3



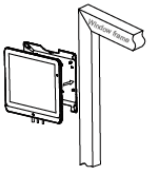
Install the mounting plate using the four screws

Step 4



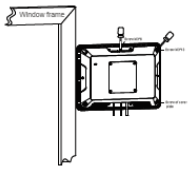
Plug in the required cables to the room panel

Step 5



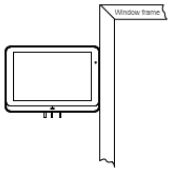
Attach the room panel to the mounting plate

Step 6



Lock the room panel using a screw at the top, and two screws at the outside corners

Step 7

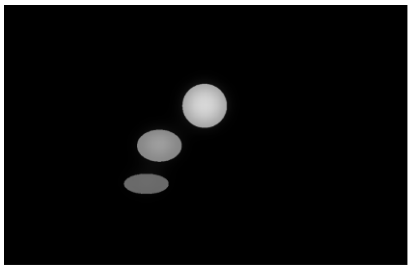


The room panel is ready to be brought online

System setup

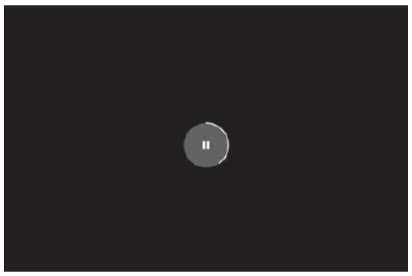
1 Boot up

Plug in an Ethernet cable connecting from a PoE switch at the back of the display, and it will power on automatically. Once user exits boot up screen, users can go through system configurations in both landscape and portrait orientations.



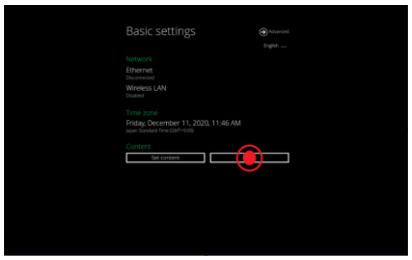
2 Autoplay content

When boot up is complete, if the system detects preloaded content, the loading circle will appear. Once the loading circle completes, contents will be played. To stop autoplay and enter “Basic settings,” users need to select the pause button in the center of the loading circle.



3 Basic settings

When boot up is complete, if the system detects preloaded content, the loading circle will appear. Once the loading circle completes, contents will be played. To stop autoplay and enter “Basic settings,” users need to select the pause button in the center of the loading circle.

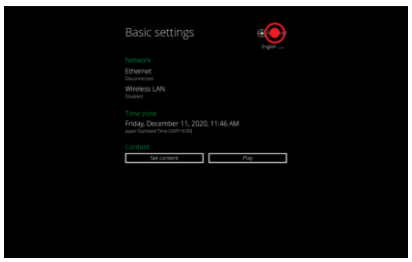


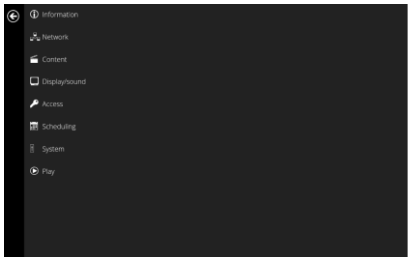
4 Make configurations

To change system language, select “**(Current Language) ....**” For system configurations, select “**Advanced.**”

Important recommended configurations:

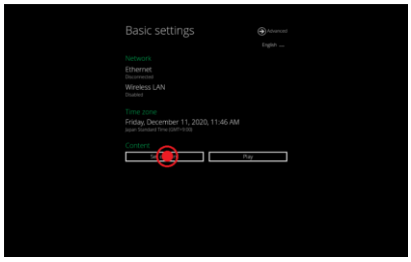
1. Set correct time, date, and time zone for properly scheduled playback.
2. Set password to prevent unauthorized access during setup menu.
3. Set network for establishing network connection.





5 Set content

Users can set content by clicking “Set Content” to enter the URL or use the desired content management system to upload the contents onto the room panel.



Content management

Please consult the software documentation for information specific to your content management solution.

System troubleshooting

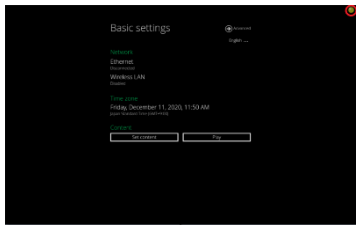
How to interrupt playback and enter setup menu?

Press at one corner of the screen and hold for 10 seconds to exit playback and enter setup menu.

How to provide a DEBUG log for a misbehaving room panel to the support team?

Please follow the instructions below to collect the room panel’s DEBUG log:

1. Prepare a blank USB stick in FAT-32 format.
2. Create a folder named "DEBUG" (case insensitive) in the root of USB stick.
3. Make sure room panel is operating (see welcome screen or playing content).
4. Insert the USB stick into display and wait for yellow dot on upper right corner to stop blinking.



5. Within the "DEBUG" folder, is a folder with a string of number as its name. If the string of numbers are all zeros, the debug log has not been collected properly. Repeat step 1-4 again and make sure to wait until stop blinking.
6. Zip the "DEBUG" folder and send to IAdea Support Team.

Reset system to factory default

Factory resetting the room panel will result in removal of all saved contents, passwords, and configurations in settings. Please refer to the steps below to complete the room panel factory resetting process:

1. Use a pen to press and hold the reset button – do not release until Step 4.
2. Insert the power cord.
3. Wait 30 seconds for the system reboot indicating your data is erased.
4. Release the reset button and your room panel will initialize in factory default state.

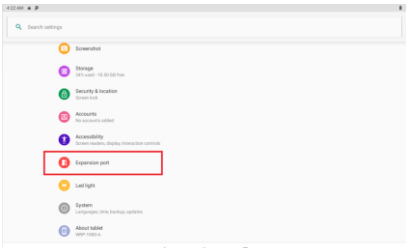
Expansion port guide

This guide provides information of connecting WRP-1000 with extensive devices for expanding applications. The firmware version should be 3.2.1-38 or newer.

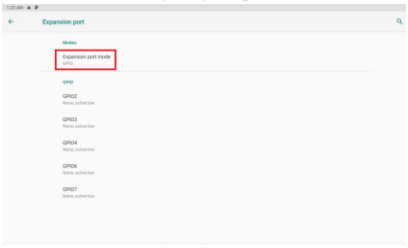
Wiring guide for access control

To connect with your access control device, please choose the Wiegand reader option by following below steps:

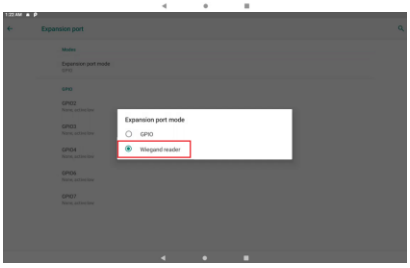
1 Enter settings and click on “Expansion port”.



2 Click on “Expansion port mode”



3 Choose “Wiegand reader”.



Expansion port connection for access control

Pin definition:
GPIO

Pin	Signal	Type	Function
1	+5V	Output	5VDC power output
2	GPIO2	Input, internal pull-up Output, open-drain	General purpose input or output
3	GPIO3	Input, internal pull-up Output, open-drain	General purpose input or output
4	GPIO4	Input, internal pull-up Output, open-drain	General purpose input or output
5	GND	Reference	Ground
6	GPIO6	Input, internal pull-up Output, open-drain	General purpose input or output
7	GPIO7	Input, internal pull-up Output, open-drain	General purpose input or output

Signal	Parameter	Minimum	Typical	Maximum	Unit
+5V	Output voltage		5		V
	Output current			250	mA
GPIO2 GPIO3 GPIO4 GPIO6 GPIO7	Low level output voltage		0		V
	Low level output current			12	mA
	High level input voltage	2.11		5	V
	Low level input voltage	-0.5		0.79	V

Wiegand reader

Pin	Signal	Type	Function
1	+5V	Output	5VDC power output
2	D0	Output, open-drain	Wiegand data 0
3	D1	Output, open-drain	Wiegand data 1
4	LED1	Input, internal pull-up	LED light indication 1
5	GND	Reference	Ground
6	LED2	Input, internal pull-up	LED light indication 2
7	BEEPER	Input, internal pull-up	Beeper indication

Signal	Parameter	Minimum	Typical	Maximum	Unit
+5V	Output voltage		5		V
	Output current			250	mA
D0 **D1**	Low level output voltage		0		V
LED1 **LED2** **Beeper**	High level input voltage	2.11		5	V
	Low level input voltage	-0.5		0.79	

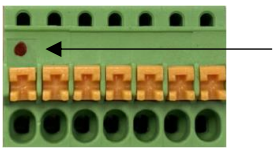
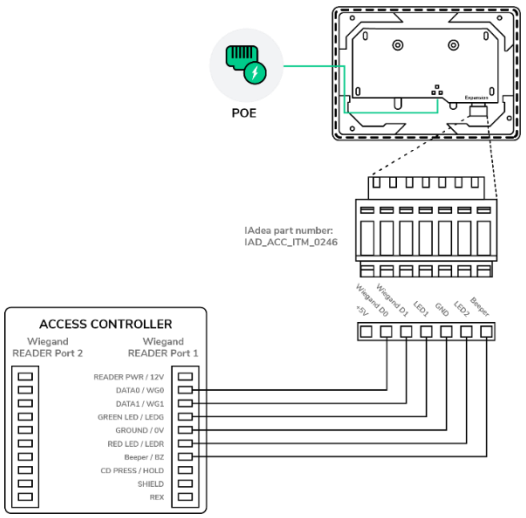


Illustration of pin connection:



Note: The Access Control reader PIN layout shown above is for reference only. Please refer to your Access Control reader documentation for its exact PIN layout.
Warning: Wiring the WRP-1000 incorrectly may permanently damage the WRP-1000. Please ensure the wiring is correct before powering on the devices.

Technical Specification

Display	10.1” LCD panel 10 points capacitive multi-touch 350 nits maximum brightness 1280 x 800 (Full HD) panel resolution Viewing angle (H/V): 80/80 Surround LED
Internal player	Processor: Octa-core Cortex-A53 System memory: 2.0 GB Flash memory: 16 GB eMMC built-in
Video format supported	H.264/AVC up to 1080p (1920 x 1080) H.265/HEVC up to 1080p (1920 x 1080) MPEG-4 up to 1080p (1920 x 1080) MPEG-2 up to 1080p (1920 x 1080) MPEG-1 up to 1080p (1920 x 1080) VC-1 up to 1080p (1920 x 1080)
Image format supported	JPEG up to 1920 x 1080 PNG up to 1920 x 1080
Audio format supported	MP3 up to 320 Kbps
Open standards supported	W3C HTML5 (HTML, JavaScript, CSS) W3C SMIL 3.0 instructions (sub-set)
Interactivity	GPIO 13.56 MHz NFC & 125 KHz RFID
Connectivity	SD card slot (expendable to 128 GB) Micro USB for ADB (Android Debug Bridge) 3.5 mm audio out USB 2.0 x 2 Ethernet port x 1 Power jack x 1 Embedded wireless antenna (2.4GHz & 5GHz) Built-in stereo speaker 2 W x 1 Front camera: 8 MP Auto Focus
Supplied accessories	Flush mount bracket and screws Glass mount 3M tape Glass cover sheet Mount sheet Quick start guide
Optional accessories	IAdea PGM-002 glass mount IAdea PTM-101 tilt mount IAdea PVK-102 table stand IAdea PWM-011 & PWM-041 window mount

Power requirement	Input: AC 100 - 240 V, 50 - 60 Hz, 0.7 A max Output: 12 V / 2 A IEEE 802.3at Power-over-Ethernet (PoE+) UL / CB certified power supplies
Power consumption	Max. 20.3 W
Environmental	Operating temperature: 0 – 40 °C / 32 – 104 °F Humidity: 10 – 85 % @ 40 °C / 104 °F non-condensing
System dimension	261.1x180.9x28.9 mm (10.28" x 7.12" x 1.14")
System weight	915 g (2.3 lbs)
Certifications	CE / FCC / RoHS
Warranty	1-year limited parts & labor* (varies based on region, contact sales for more details)

Available SKU

WRP-1000-A	IAdea standard with NFC & RFID embedded.
WRP-1000-H	IAdea standard with HID module embedded.

ADVANTAGE HID Technology Partner