

IPW-10VR

INSTALLATION GUIDE

The IPW-10VR is an analog-to-IP converter that uses 2-conductor copper wire to connect IP intercom stations. The converter comes with a power supply and ten 2-wire to RJ-45 converters. Purchase an additional IPW-1VT adaptor for each intercom station.



Features

- Works with existing 2-conductor copper wire
- Provide PoE to door stations up to 1000 feet away
- Connects up to ten door stations with a single network port
- Rack mountable
- LED status indicators

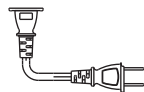
Package Contents



IPW-10VR Rack Mount
Receiver Module



4 M5 Screws



Outlet Plug



10 2-wire to RJ45
converters

Installation and Configuration

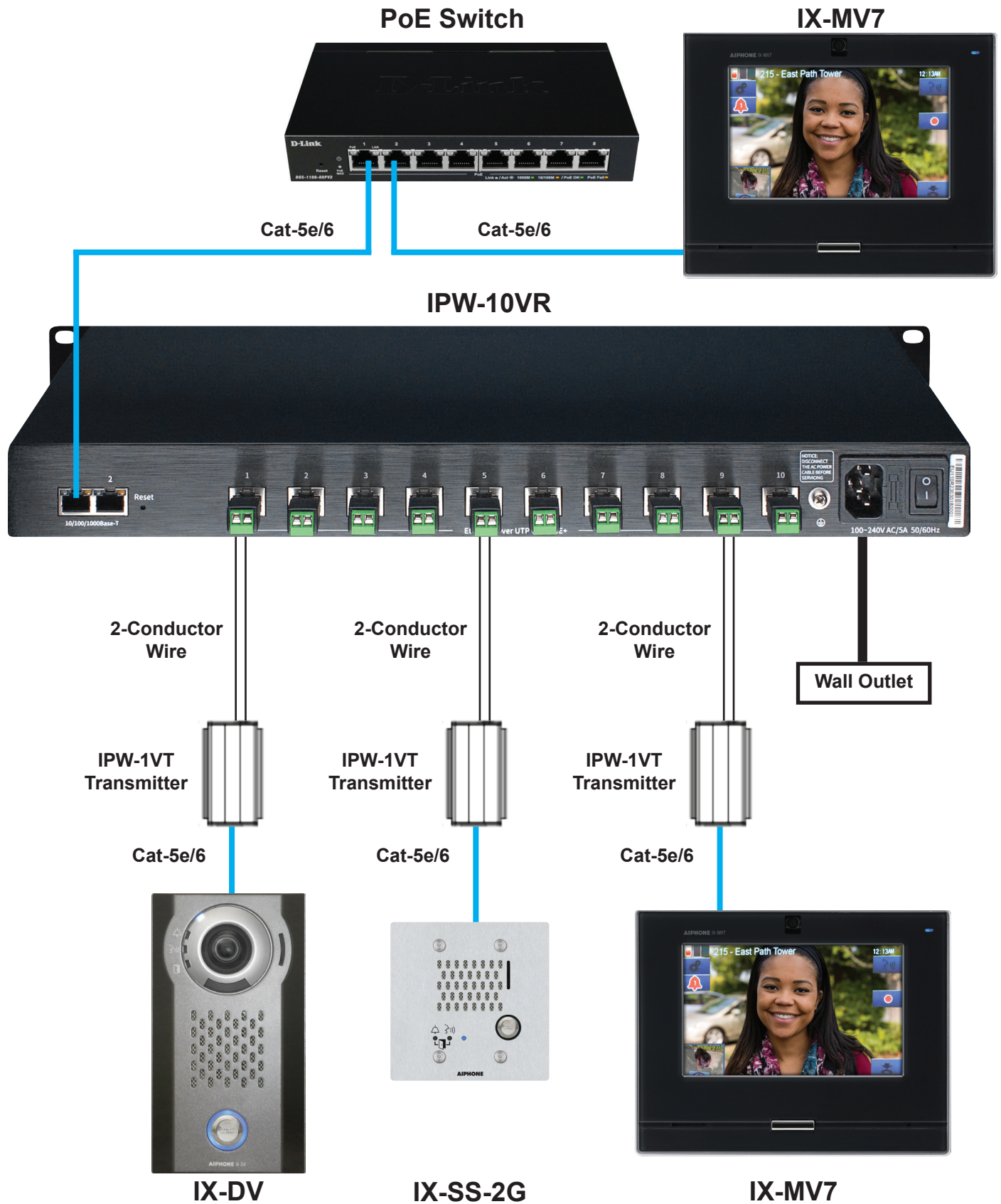
The IPW-10VR is configured out of the box to provide power and network connection on all ten of the PoU (Power over UTP wire) ports.

For each station connected to the IPW-10VC, use two of the 2-wire to RJ45 converters. One will plug into a port on the IPW-10VR, and the other will go into the IPW-1VT transmitter module. Use a small Phillips-head screwdriver to loosen and tighten the converters to connect the 2-conductor wires to both sides.

The four provided screws allow the IPW-10VR receiver module to be installed in a 1U server rack space.

The IPW-10VR is powered from a wall outlet, and is connected to the network by one of the two ethernet ports.

Sample Wiring Diagram



Web Interface Instructions

The IPW-10VR features a web interface that can be used to adjust its network settings, change the log in credentials, restart, or factory reset the station. The network and security settings may not need to be adjusted on all sites, since the IPW-10VC kit can work on an isolated network. Consult on-site IT about networking requirements.

The default settings are already properly configured to power and connect Aiphone stations, so this guide does not cover adjusting the power settings.

Accessing the Web Interface

The IPW-10VR's default IP address is 192.168.1.200. Set the programming PC's IP address to be in the same range and enter 192.168.1.200 in the web browser. A log in page will appear. The default user name and password are **admin**. Once those are entered, the following home screen will be displayed. Navigate to **System Configuration**, Network Configuration.

The screenshot shows the 'System Status' page of the web interface. On the left is a dark sidebar with three main menu items: 'System Status', 'System Configuration', and 'Maintenance'. The 'System Status' page has a title 'System Status' in orange. Below the title, it shows 'Power Status: on'. Then, it has a section for 'IP-Link Status' with a table showing three ports: Port 1 (Linked), Port 2 (Linked), and Port 3 (Unlinked). Below that is a section for 'U-Link Status (UTP link)' with a table showing four groups of ports: 1~4 (Linked), 5~8 (Linked), 9~12 (Linked), and 13~16 (Linked). Finally, there is a section for 'Port Status (PoU)' with a table showing 15 ports, each with a status (OK or NC).

Port	Status	Port	Status	Port	Status
1	Linked	2	Linked	3	Unlinked

Ports	Status	Ports	Status	Ports	Status	Ports	Status
1~4	Linked	5~8	Linked	9~12	Linked	13~16	Linked

Port	Status	Port	Status	Port	Status	Port	Status
1	OK	5	OK	9	NC	13	OK
2	OK	6	OK	10	OK	14	NC
3	OK	7	OK	11	OK	15	OK

Changing Network Settings

Navigate to **System Configuration**, Network Configuration. Configure the network settings and click **Save**.

The screenshot shows the 'Network Configuration' page of the web interface. On the left is a dark sidebar with four main menu items: 'System Status', 'System Configuration', 'Network Configuration', and 'Maintenance'. The 'System Configuration' menu item is expanded, showing 'Network Configuration', 'PoU Configuration', and 'User'. The 'Network Configuration' page has a title 'Network Configuration' in orange. Below the title, there is a radio button for 'Fixed IP Address' which is selected. Below this, there are four input fields: 'IP Address' (192.168.1.200), 'Subnet Mask' (255.255.255.0), 'Gateway IP' (192.168.1.1), and 'MAC' (3c:0f:c1:00:1c:38). At the bottom, there is a 'Save' button with an orange hand icon pointing to it.

☒ Fixed IP Address

IP Address: 192.168.1.200

Subnet Mask: 255.255.255.0

Gateway IP: 192.168.1.1

MAC: 3c:0f:c1:00:1c:38

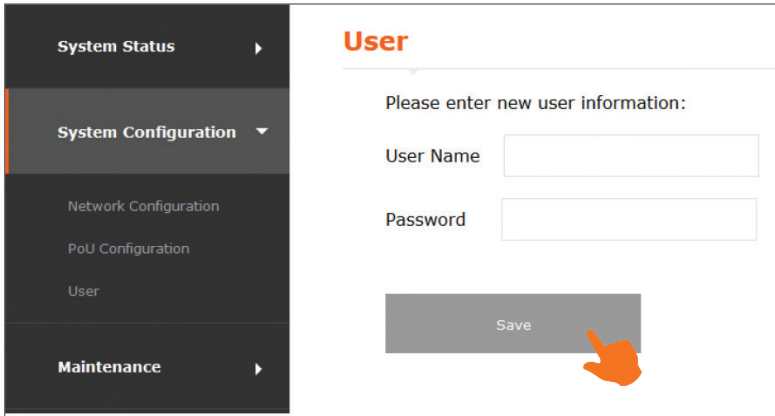
Save



It is not necessary or advisable to change the power settings under **System Configuration**, PoU Configuration.

Changing the User Name and Password

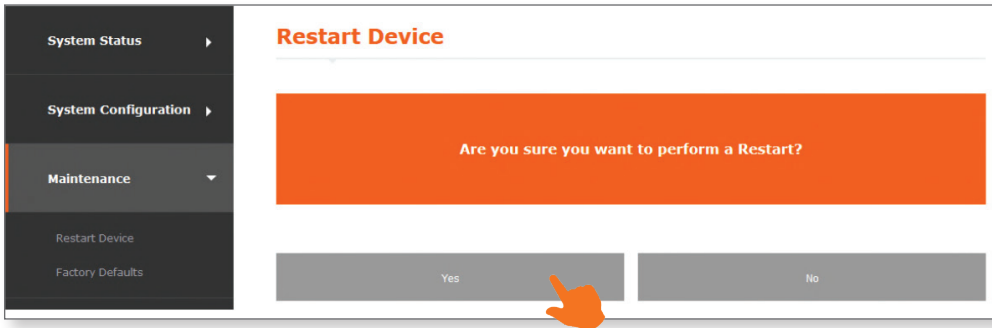
Navigate to **System Configuration**, User. Enter the desired login credentials and click **Save**.



The screenshot shows a web interface with a sidebar on the left containing the following menu items: System Status, System Configuration, Network Configuration, PoU Configuration, User, and Maintenance. The main content area is titled 'User' and contains the text 'Please enter new user information:'. Below this text are two input fields: 'User Name' and 'Password'. At the bottom of the form is a 'Save' button, which is being pointed to by an orange hand cursor.

Restarting the Station

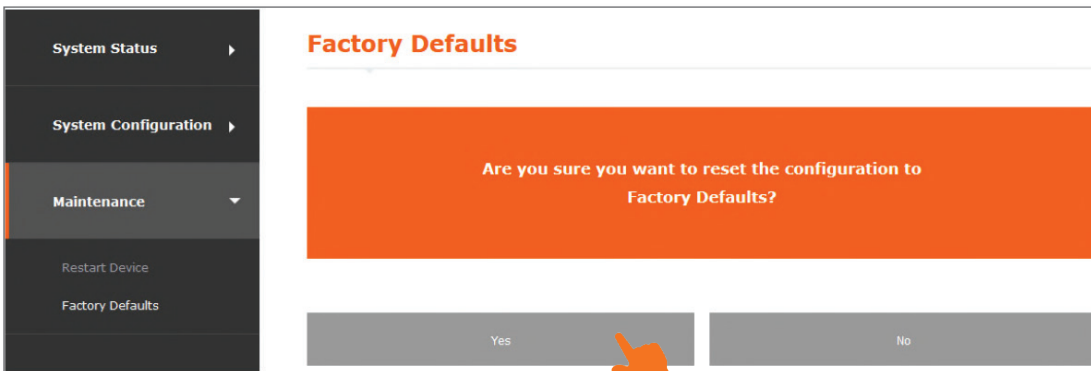
Navigate to **Maintenance**, Restart Device. Click **Yes**.



The screenshot shows a web interface with a sidebar on the left containing the following menu items: System Status, System Configuration, Maintenance, Restart Device, and Factory Defaults. The main content area is titled 'Restart Device' and contains a large orange box with the text 'Are you sure you want to perform a Restart?'. Below this box are two buttons: 'Yes' and 'No'. The 'Yes' button is being pointed to by an orange hand cursor.

Factory Resetting the Station

Navigate to **Maintenance**, Factory Defaults. Enter the desired login credentials and click **Save**.



The screenshot shows a web interface with a sidebar on the left containing the following menu items: System Status, System Configuration, Maintenance, Restart Device, and Factory Defaults. The main content area is titled 'Factory Defaults' and contains a large orange box with the text 'Are you sure you want to reset the configuration to Factory Defaults?'. Below this box are two buttons: 'Yes' and 'No'. The 'Yes' button is being pointed to by an orange hand cursor.

Specifications

Power Input:	100-240V AC
Power Draw:	260W max
Mounting:	Supplied 1U rack mount
LAN Ports:	2 (RJ45)
UTP Ports:	10 (RJ45 to UTP connector) W
Cat-5e/6 to 2-wire Converter:	15 feet
Calling Capacity: w/Video Station	0-500 feet 5 master stations 501-1000 feet 3 master stations
w/Audio Station	0-1000 feet 7 master stations
Operation Temp:	-4°~158°F (-20°~70°C)
Dimensions:	1-3/4" H x 19" W x 11" D

FCC WARNING:

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 that may cause undesired operation.

For proper regulatory compliance, the drain wire should be disconnected at the power supply end of the cable.

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

For more details about the features and information above, please contact Technical Support.

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