Double-Sided IP Display with Universal Mount Installation Guide

IPCDS-RWB-U

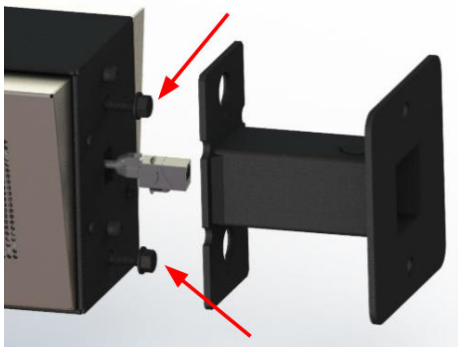
Installation Instructions

The Double-Sided IP Display ships with ferrite, and comes configured for wall mount installation. If concerned with line performance, wrap CAT5 or CAT6 Ethernet cable around ferrite once and clamp shut.

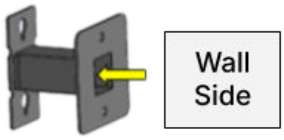
Wall Mount Installation

Warning: Remove power prior to installation to avoid possible damage of components.

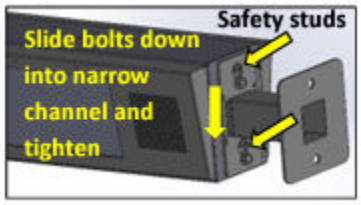
1. Loosen hex head bolts by ½″ to allow the bracket arm to clear safety studs. Tuck the ethernet cable into the device, leaving the ethernet coupler attached as shown. Separate bracket arm from main assembly. Use included template or bracket arm itself for marking wall mounting locations.



2. Pull ethernet cable from the wall through the bracket arm. Attach bracket arm to wall using mounting hardware appropriate to the facility building materials. Note keyhole orientation with narrow channel of keyhole at bottom.



3. Connect the ethernet cable from the wall (previously routed through the bracket) to the coupler sticking out of the device. Align hex head bolts with the keyhole feature in the bracket arm and slide through the large opening of the keyhole. Allow the device to drop into the narrow channel of the keyhole as safety studs enter the top of the keyhole. The bracket arm should support the weight of the product while tightening hex head bolts. Be sure no cables are pinched or trapped during the above process. Verify parts sit flush to each other and safety studs clear the bracket arm.



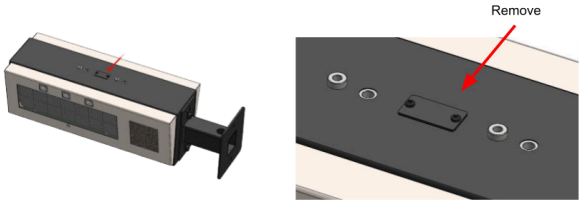
Ceiling Mount Installation

1. Detach network cable coupler from internal network cable, and stuff the disconnected network cable into the device.

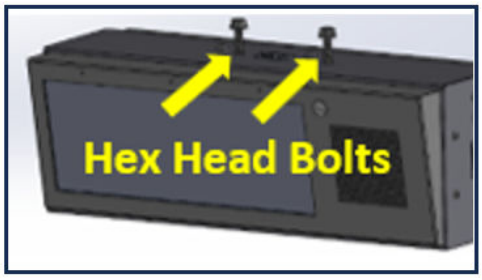
2. Remove the two hex head bolts securing the mounting bracket to the main enclosure, and remove the bracket. Use included template or bracket arm itself for marking ceiling mounting locations.

3. Run network cable (CAT5 or better) from POE+ switch or injector through bracket arm in direction shown, then attach bracket arm to load bearing ceiling supports using mounting hardware appropriate to the facility building materials. Note orientation of bracket arm to align viewing direction of clock in hallway or room.

4. Remove the two screws and small cover plate, exposing the opening on the top of the device. Place the small cover plate over the opening on the side of the device, and fasten it with the two screws.

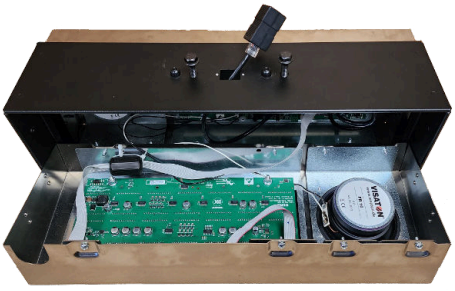


5. Relocate the two hex head bolts removed in step 2 to the top thread holes. Leave 5/8″ of threads exposed to allow the bracket arm to clear safety studs during installation.



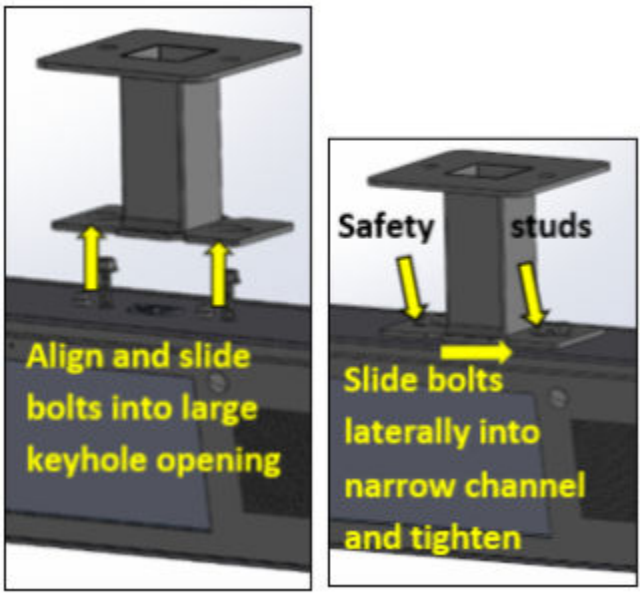
6. Remove the four mounting screws and display the face as shown. Take care to not disconnect any cables internal to the device during this process.

7. Route network cable through the top of the device. Reattach the network cable coupler.



8. Reversing step 6, reattach the stainless-steel baffle being careful to avoid pinching any wires. Secure with four side screws removed in step 6.

9. Connect the network coupler on the device to the network cable from the ceiling mounted bracket arm.
10. Align hex head bolts with the keyhole feature in the bracket arm and slide through the large opening of the keyhole. Slide product laterally to position the bolt in the narrow channel of the keyhole. Safety studs should now be aligned in a large portion of the keyhole. The bracket arm should support the weight of the product while tightening hex head bolts. If parts are oriented correctly, safety studs will clear brackets into the large portion of the keyhole. Be sure no cables are pinched or trapped during the above process. Verify parts sit flush to each other and safety studs clear the bracket arm.



Configuration File Options

The device ships with the following default settings:

- ***SIP Mode:*** "Button"
- ***Push-to-Talk 1 Trigger Only:*** "Yes"
- ***Send Activations Only:*** "Yes"
- ***Emergency Indication:*** "SIP"
- ***Indicate Trying Action:*** "Clear"
- ***Indicate Success Action:*** "Blink"
- ***Indicate Unready Action:*** "Clear"
- ***Indicate Ready Action:*** "Set"
- ***Indicate Failure Action:*** "Clear"

Configuration File Setup

```xml
<SIPConfig SIP_mode="button"
push_to_talk_ip1_trigger_mode="1"/> <GPIO_callback
send_activations_only="1"/> <Indicate
emergency_server_type="sip" trying_action="clear"
success_action="blink" unready_action="clear"
ready_action="set" failure_action="clear"/>
```

Server type can be "sip" or "http". Use "sip" if registering a device with a SIP server or "http" if registering a device to a non-SIP server. See Operation section below for details.

Indication Type	LED Behavior
Clear	Off
Set	On
Blink	Continuous blinking
Pulse	On 5 seconds, then off

Device Operation

1. Connect the other end of the network cable to a PoE (Power over Ethernet) network switch, or a PoE injector, on a network with a DHCP server. Find some supported equipment options listed at https://anetd.com/resources/prepare-for-installation/

NOTE: ANetD products require an IEEE 802.3af/at/bt compatible switch or injector to correctly classify and supply the power needed for our devices. Use of non-standard PoE powering schemes (such as 24V passive PoE) may cause damage and void your warranty.

2. If properly installed, the unit should boot up and show the time within 30 seconds. See boot sequence below.
3. Consult the IPClockWise User Manual (see https://www.portal.anetd.com/) or third-party software guide for further instructions on sending audio and text to the device.

Boot Sequence

When first powered on, if properly installed, the device should boot, and then display the time as follows:

1		The first screen you will see. This screen should appear within 1-2 seconds of powering on the device. The ANetD jingle should be played over the speakers.
2		Indicates the current firmware equipped with the device.
3		Indicates the network MAC address of the device (configured at the factory).
4		Indicates that the device is looking for a DHCP server, among other things. If the boot process hangs in this state, check for a possible network problem (cable, switch, ISP, DHCP, etc.)
5		Indicates the IP address of the device. DHCP assigns this network-specific address. Otherwise, the static address will appear if configured as such. An audio beep should be played over the speakers during this stage.
6		Once all initialization completes, the time will display. If just a colon displays, it cannot find the time. Check the NTP server settings, and check that the internet connection is working.

Additional Resources

Support Center: https://anetd.com/resources/
Documents: https://anetd.com/resources/documentation/
ANetD Warranty: https://anetd.com/warranty
ANetD Legal Disclaimer: https://anetd.com/privacy-policy/

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