



Zykronix LBEE5ZZ1PJ Bluetooth Module Installation Guide

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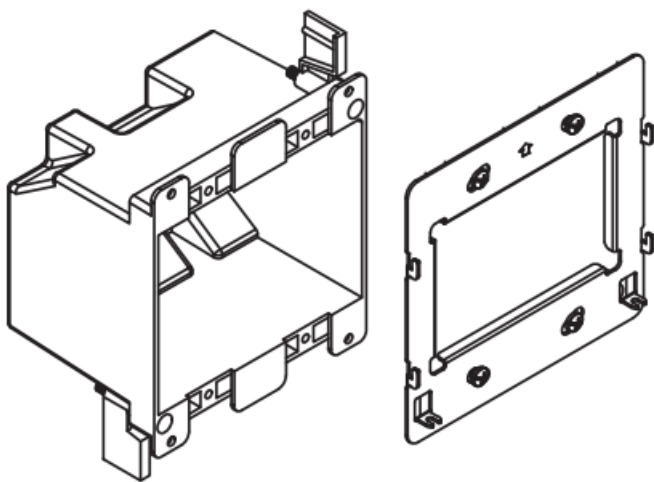
Included in the box

- 1ea Device
- 1ea Mounting bracket
- 4ea Mounting screws

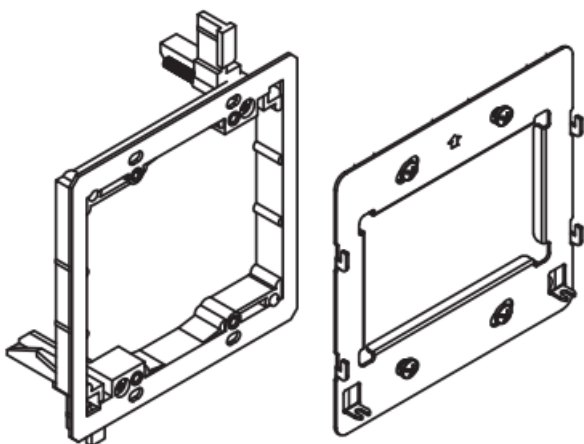
Introduction

To install the device you will also need one of the following electrical junction boxes or low-voltage brackets.

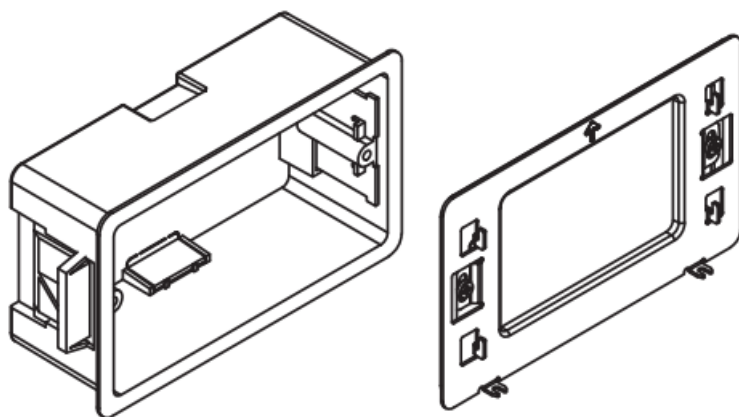
- Standard NEMA 2-gang US electrical junction box



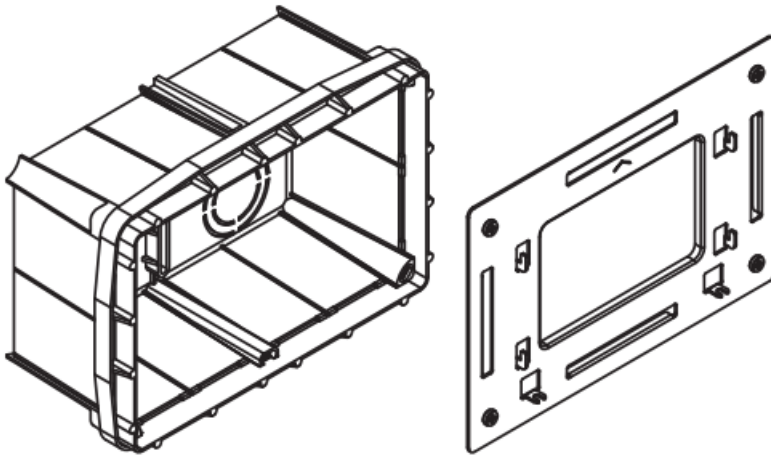
- Low-voltage mounting ring Arlington LV2 (Bracket supplied in the box)



- UK standard 2-gang electrical box



- European/Italian 16204 multibox



Important safety instructions

Read, understand and follow ALL safety and installation instructions included in this manual. Failure to follow the included documentation may damage the product and will void the manufacturer's warranty. Follow ALL installation guidelines included with the product. Installation of the product in high humidity environments, in close proximity to heat sources and/or non-recommended locations WILL impede, interfere and/or damage the intended operation of the product. Only use attachments and accessories which have been specified for use by the manufacturer. The use of abrasive, liquid or solvent-based cleaning fluids WILL damage the product. Product Servicing may ONLY be completed by authorized or certified service centers & personnel. For a complete list of product servicing options, please follow instructions included in the product documentation and/or contact the original manufacturer for details.

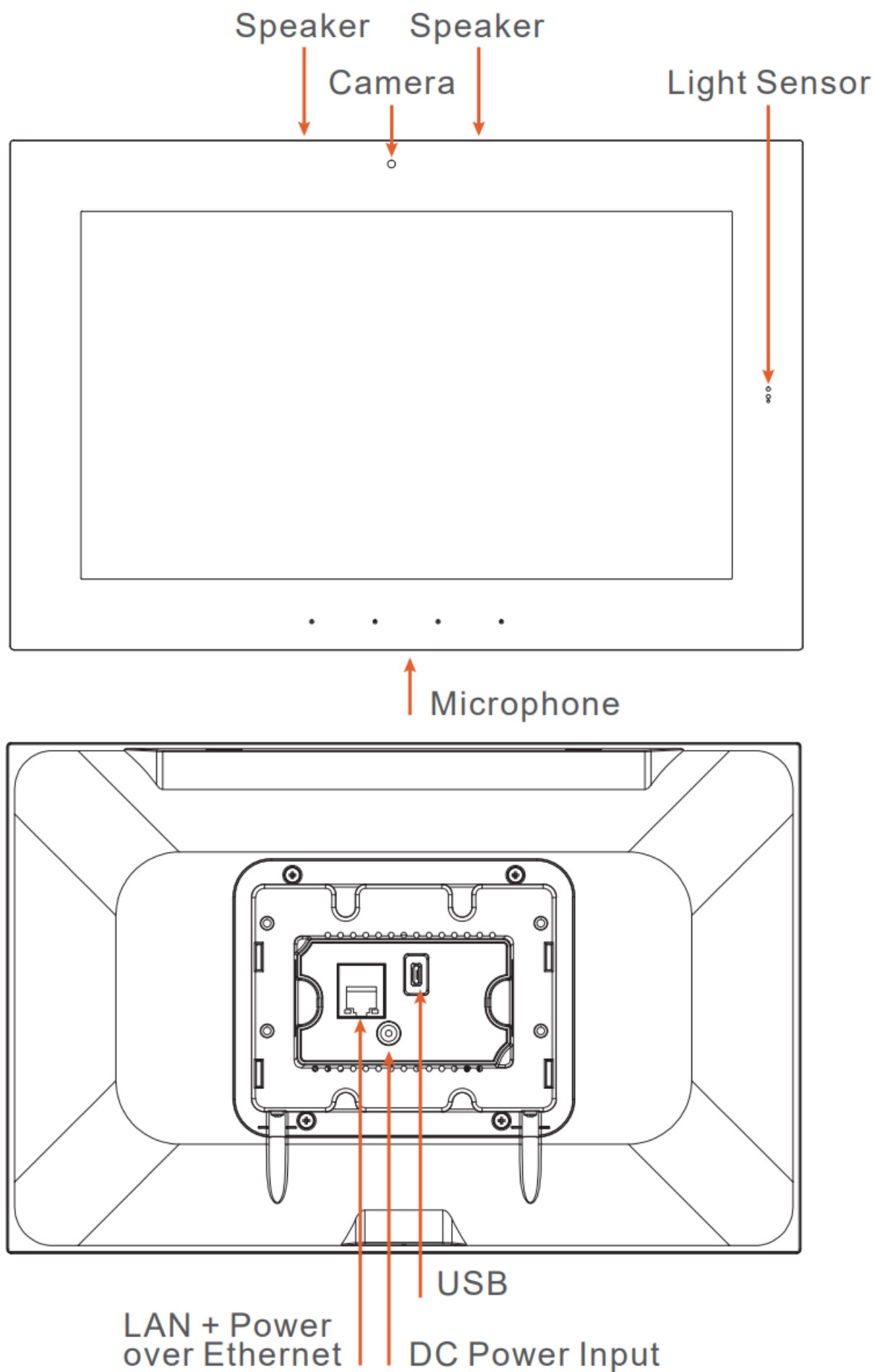
This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules.

These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

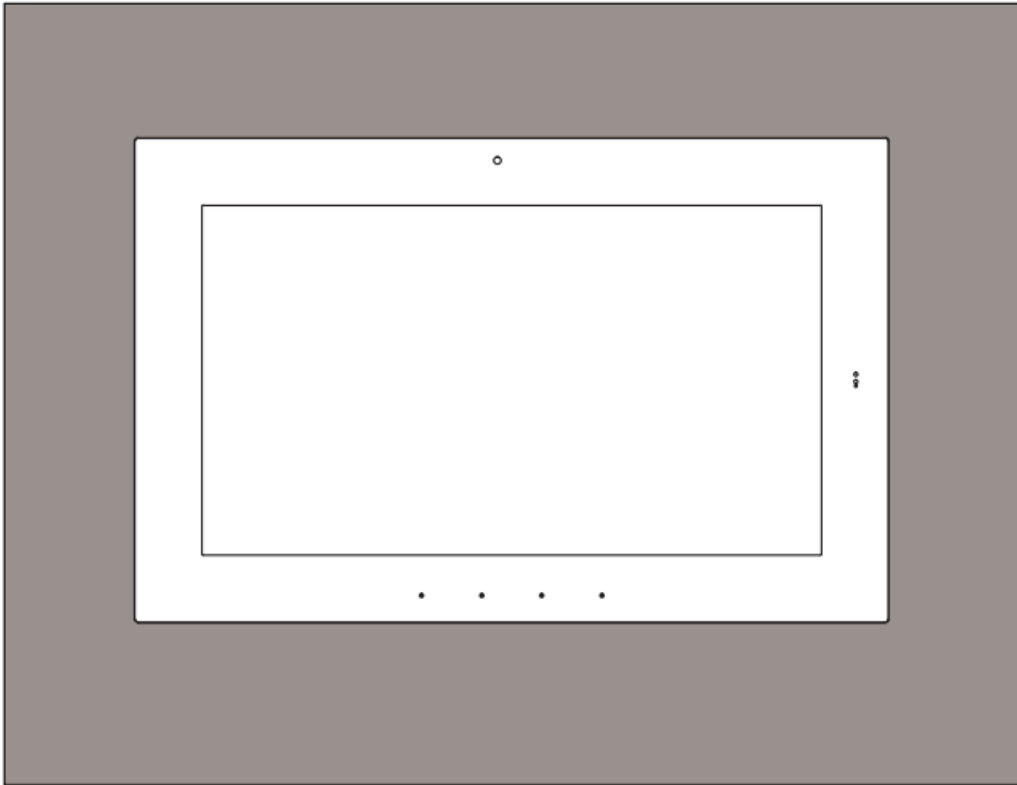
Device – Overview



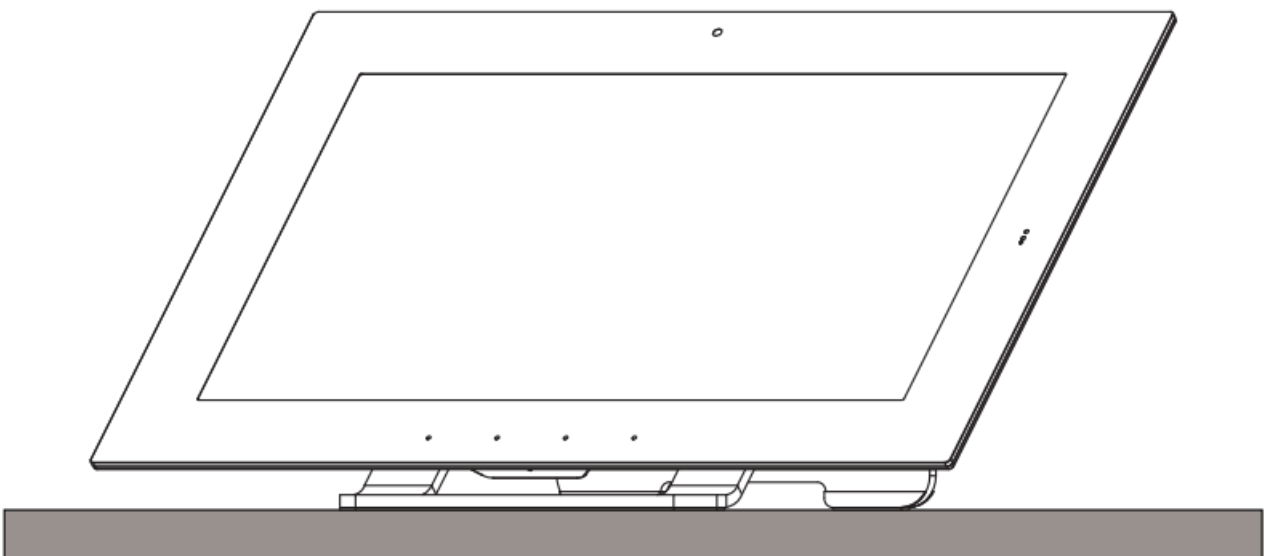
Planning the installation

The device is designed to be wall mounted in either Portrait or Landscape orientation, or on tabletop with stand.

- On the wall



- On the stand Part No.:89-123-1030A1F

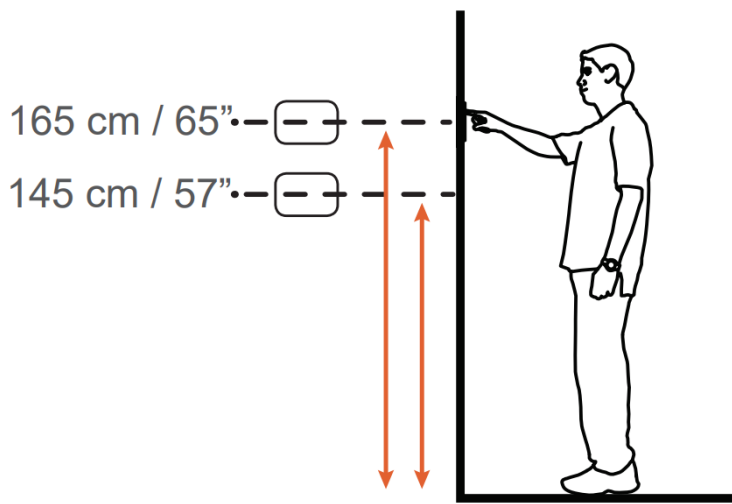


The device requires a minimum mounting depth of 1"(2.45cm) from the wall surface to the room for cable/s. Power may be supplied by Power Over Ethernet (PoE) or by a 24V DC power supply (not included). PoE connecting must meet the IEEE 802.3af standard. Direct power connecting via a 24V D external power supply requires a minimum current output of 1A. The device connects to the local network via a hard wired Ethernet connection. Or connecting with WiFi in the case of the units with WiFi function.

Installing the device

A. Mounting height

The recommended mounting height for the device is 57"- 65" (145 cm -165 cm) from the finished floor to the center of the unit.



B. Landscape/Portrait mounting

Device can be mounted and oriented in Portrait or Landscape.

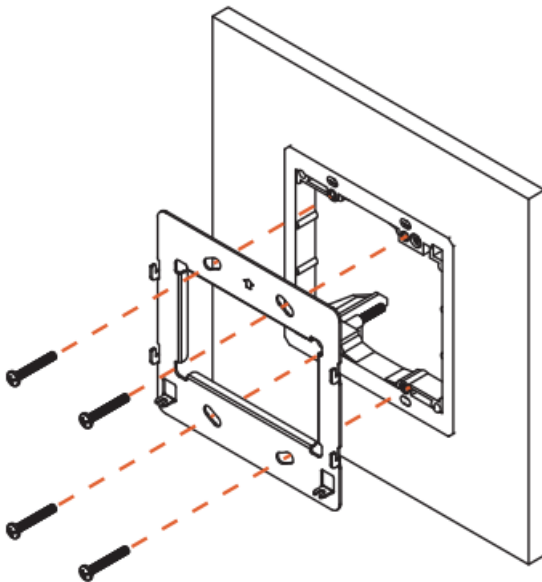
C. Installing the device mounting bracket

The device package includes a stainless steel mounting bracket that **MUST** be used for installation. Please note the mounting bracket in the box is designed for the US standard 2-gang and supplied Arlington mounting ring supplied in the box.

You can order additional stainless steel mounting brackets for UK or European electrical boxes. Verify that the bracket is level before tightening the captive screws on the device. (US mounting bracket included in the box)

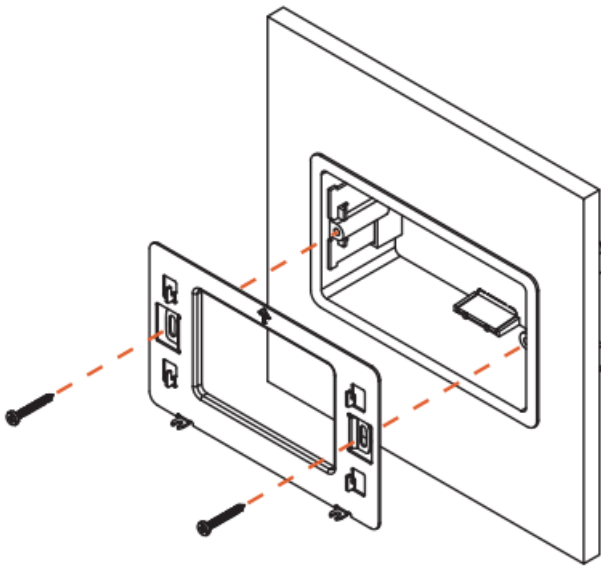
- For low-voltage mounting ring-like Arlington LV2 (Supplied in the box)

Part No.:80-128-1210-21

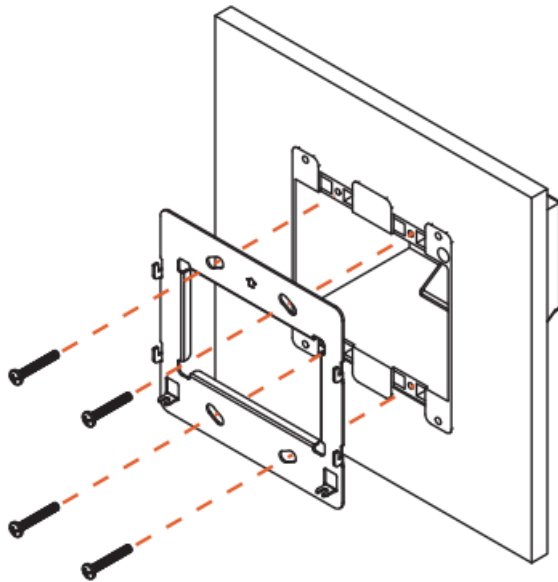


- For UK standard 2-gang electrical box

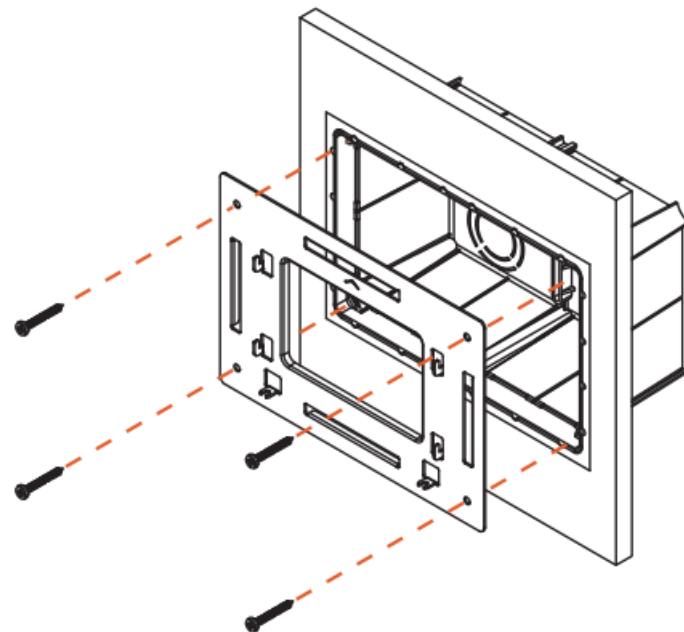
Part No.:84-128-1230-00



- For standard NEMA 2-gang US electrical junction box
Part No.:80-128-1210-21



- For European/Italian 16204 multibox
Part No.:84-128-1220-00

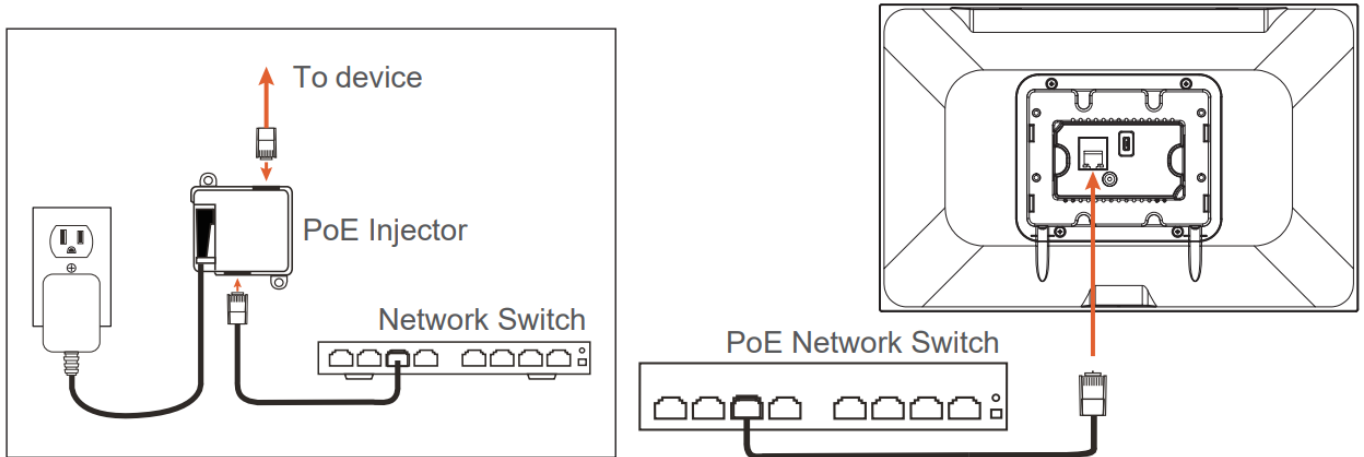


D. Connecting the device to power

The device is designed to be powered over the Ethernet connection (PoE) or by connecting a 24Vdc power supply (not included), but not both. If both the PoE and a 24Vdc power supply are connected, the device will draw power from the 24V DC source.

PoE Connection

PoE connection requires IEEE 802.3af standard. Utilize a network switch or PoE injector that meets this standard. Connect the device using a standard T568A or T568B Ethernet cable from the network switch to the LAN/PoE jack on the back of the device.

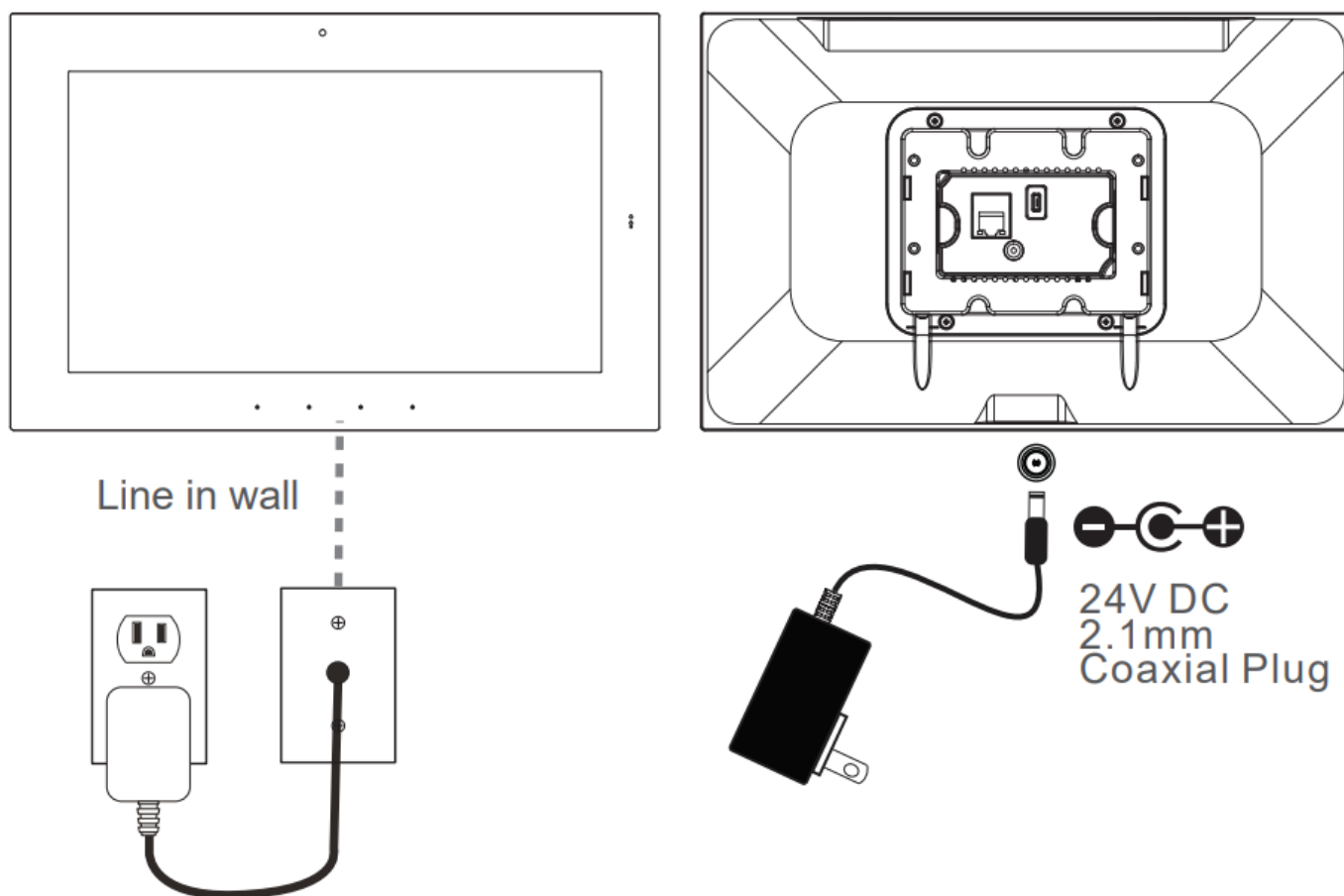


24V DC Power Supply

You can provide power locally or remotely to device by utilizing a 24V DC power supply (not included). Please note that running the wire through the wall in accordance with local codes when powering locally. If powering remotely, please ensure to use wire of adequate gauge for the length of the run. Please use approved 24V DC power supply.

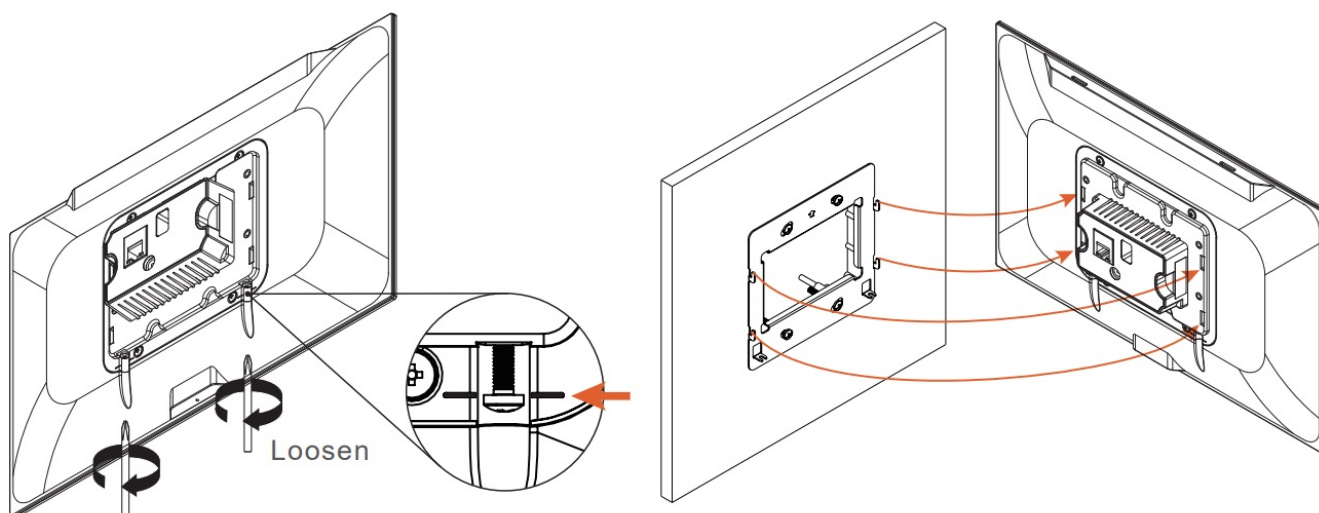
Verify the polarity of the barrel connector on your power supply before connecting it to the device. The center pin of the device power connector is positive and the outer ring is negative. If the wire is extended, please ensure that the routing is in compliance with local codes.

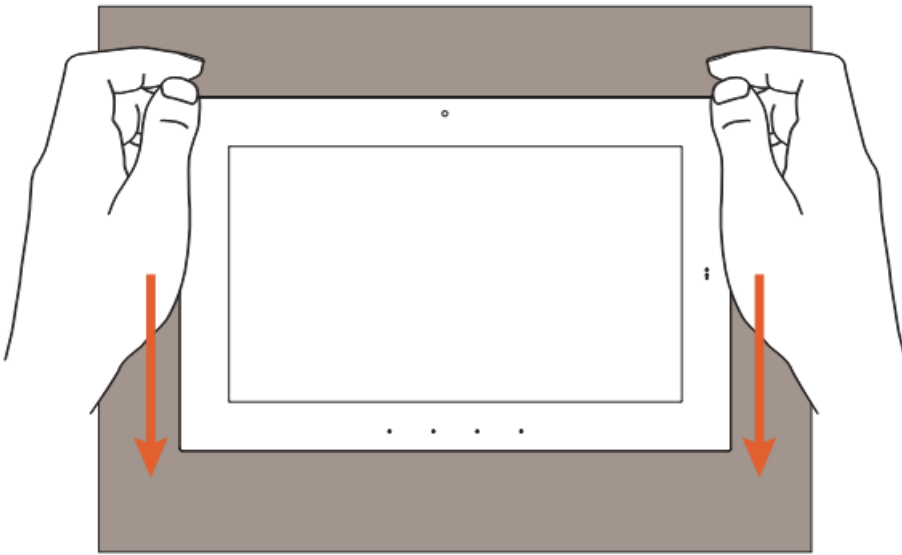
Plug the connector into the device DC jack on the back of the device.



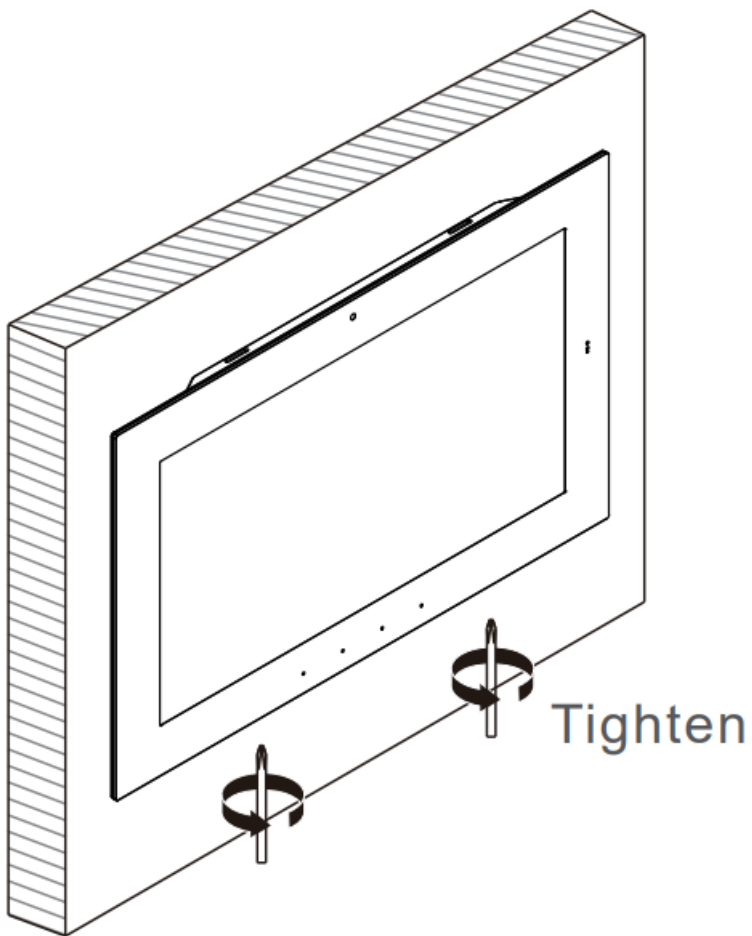
E. Mounting the device

1. Loosen the captive screws of the unit first. Screws should not be moved apart from the unit. Please meet the indicated line.
2. Align the mounting frame hooks with the mounting slots and gently pull the unit down the mounting bracket. Make sure the mounting hooks are properly engaged.
3. To complete the installation, tighten the 2-captive screws on the bottom part of unit, to secure the device on the mounting bracket.
4. For Portrait orientation, rotate mounting bracket and 90 degrees in counterclockwise direction before installation.



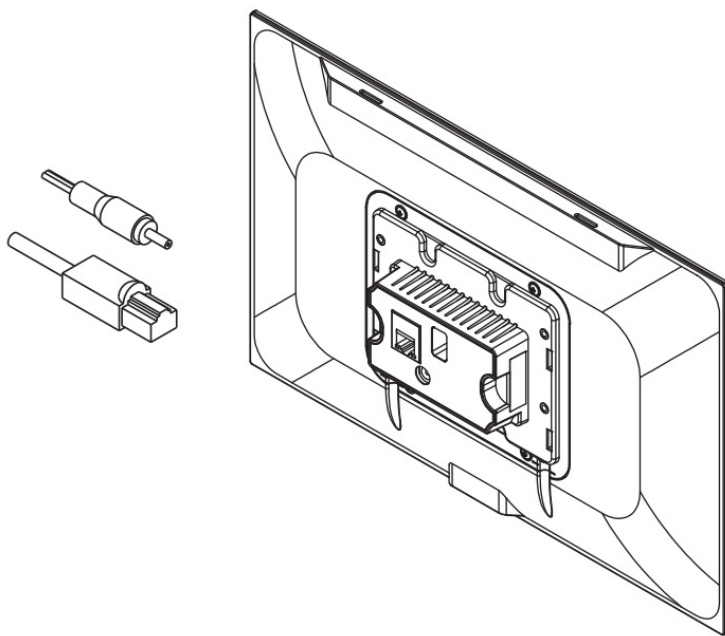


Tighten the 2-captive screws to secure the device to the mounting bracket.



Powering up the device

The device will automatically power on when power is applied. Wait for the unit to boot up. When it's connected to a network switch by Ethernet cable, the device will acquire a network address via DHCP and automatically connect to the system.



Temperature ranges/humidity



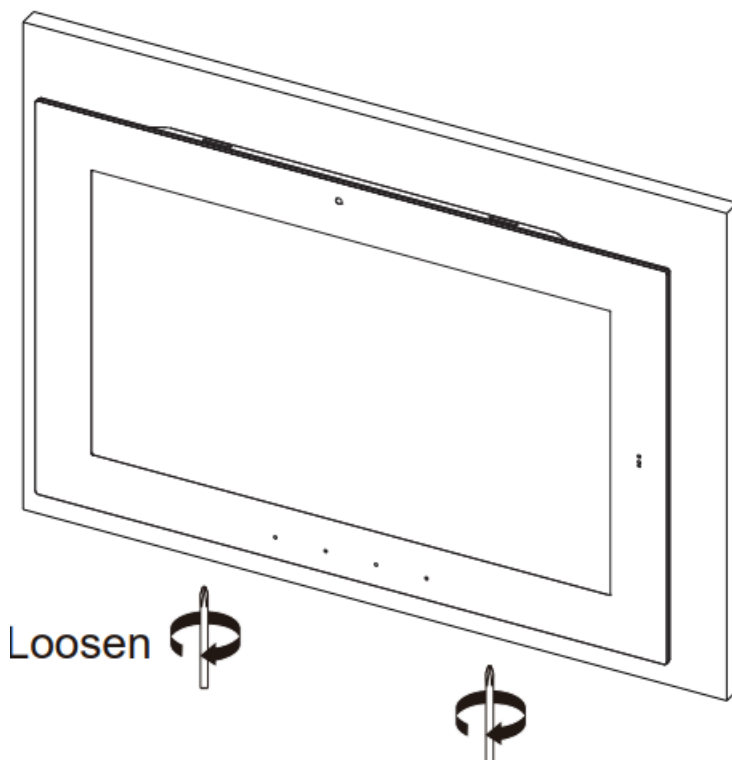
Operating: $\pm 0^{\circ}\text{C}$ to $+45^{\circ}\text{C}$

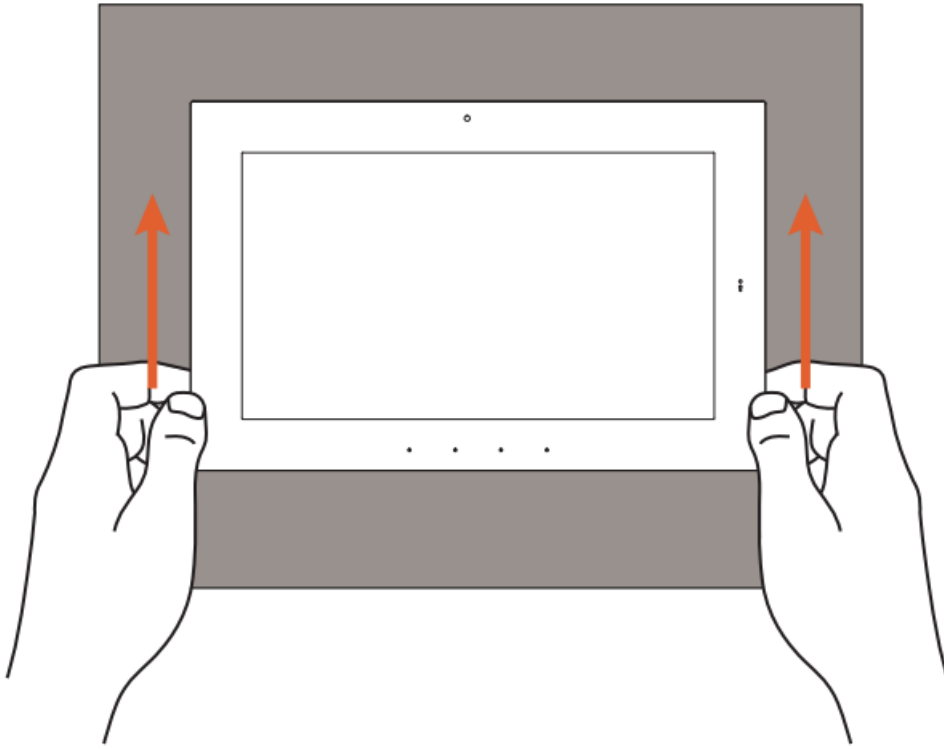
Storage/transport: -20°C to $+70^{\circ}\text{C}$

Relative humidity: max. 95%(no condensation)

Removing the device

Using a precision Philips head screw driver to loosen the 2-captive screws on the device, then slightly pull straight up from the mounting frame to disengage the unit.

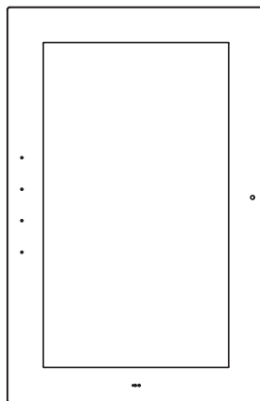
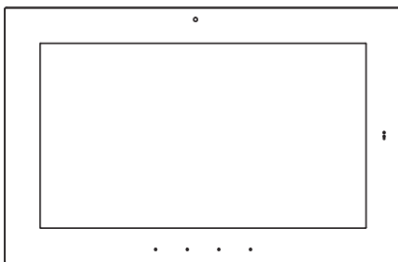




Setting screen orientation

On the touch panel setup screen, select Landscape or Portrait display modes. Press Start device to launch the user interface.

To change orientation:



- Remove power from device.
- Re-apply power to device.
- Select landscape or portrait orientation.

Thank you for including the device as part of the user interface strategy for your customer. The device has been designed to provide years of trouble free operation when wired and installed properly. The device is designed for installation in low humidity indoor environments and should never be installed outdoors or in high humidity areas.

Any changes or modifications not expressly approved by the grantee of this device could void the user's authority to operate the equipment.

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.

RF exposure warning

This equipment must be installed and operated in accordance with provided instructions and the antenna(s) used for this transmitter must be installed to provide a separation distance of at least 20 cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter. End-users and installers must be provide with antenna installation instructions and transmitter operating conditions for satisfying RF exposure compliance.

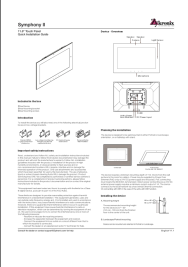
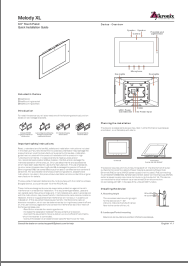
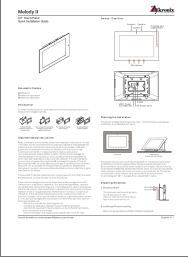
Canada, Industry Canada (IC) Notices

This device complies with Canada licence-exempt RSS standard(s).

Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

Consult the dealer or contact support@Zykronix.com for help

Documents / Resources

	Zykrnix LBEE5ZZ1PJ Bluetooth Module [pdf] Installation Guide LBEE5ZZ1PJ Bluetooth Module, Bluetooth Module
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