Manuals+ — User Manuals Simplified.

EnCELIum KX7S LCD Touch Screen Display Panel Instruction Manual

**KX7S Touchscreen
INSTALLATION INSTRUCTIONS**

Contents

PRODUCT SAFETY

When using electrical equipment, basic safety precautions should always be followed, including the following:

⚠️ READ THESE INSTRUCTIONS BEFORE USING THIS PRODUCT.

- Do not let power supply cords touch hot surfaces.
- Do not mount near gas or electric heaters.
- Do not use the unit near water.
- Do not allow objects to fall or liquids to be spilled into the enclosure through openings.

- Equipment should be mounted in locations and at heights where it will not readily be subjected to tampering by unauthorized personnel.
- The use of accessory equipment is not recommended by Encelium as it may cause an unsafe condition.
- Do not use this equipment for anything other than the intended use.

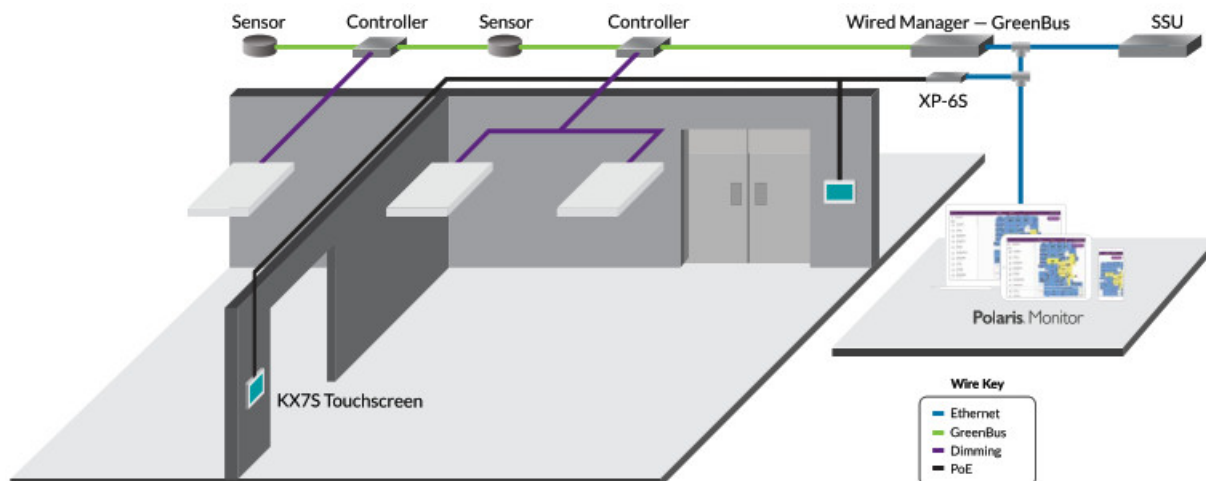**SAVE THESE INSTRUCTIONS.**

GETTING STARTED

Overview
The Encelium KX7S Touchscreen is a 177 mm (7 inches) flush-mount LCD touchscreen display that provides the ability to recall multiple lighting scenes for a given zone. This is ideal for large multi-purpose spaces where lighting requirements vary throughout the day, such as an auditorium or conference room.
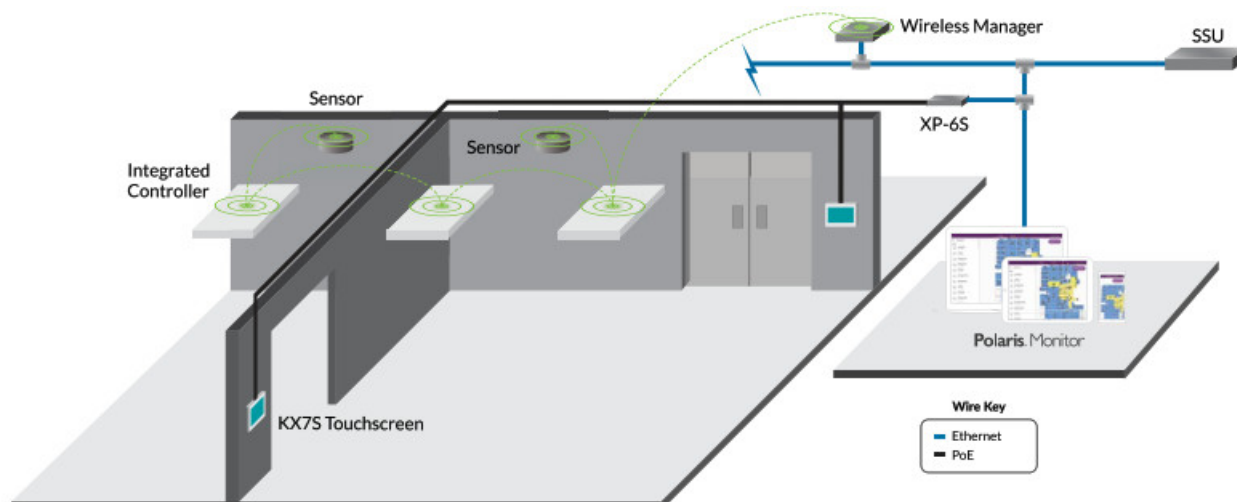
SYSTEM OVERVIEW

1. **Wired System Overview**

   With Encelium X, you can control DALI devices exclusively or a mixture of GreenBus and DALI.

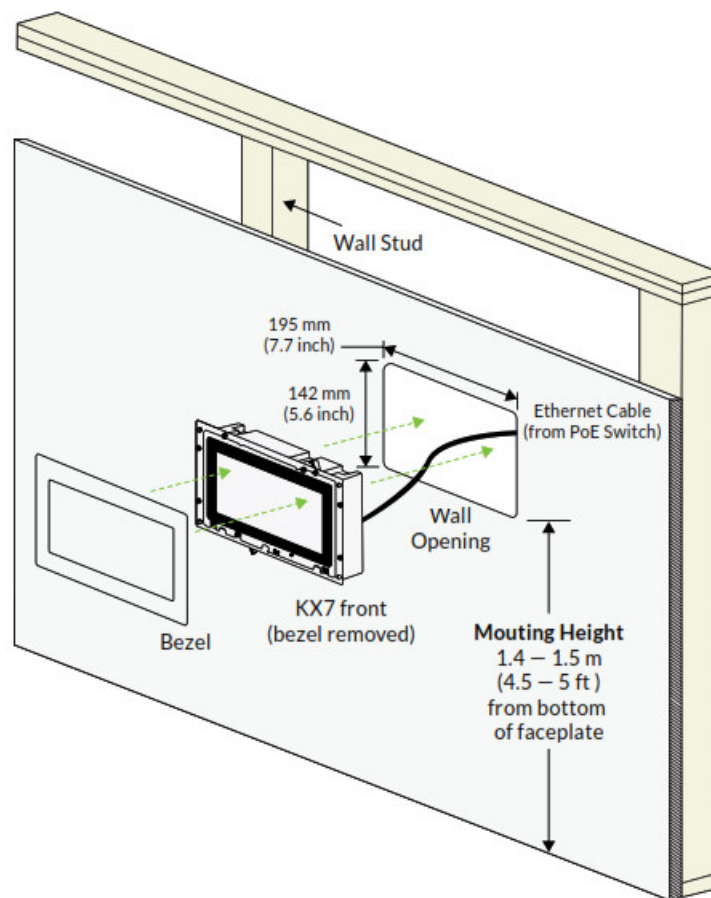2. **Wireless System Overview**

   This illustration shows how each component is easily integrated into the Encelium X Lighting Control System.

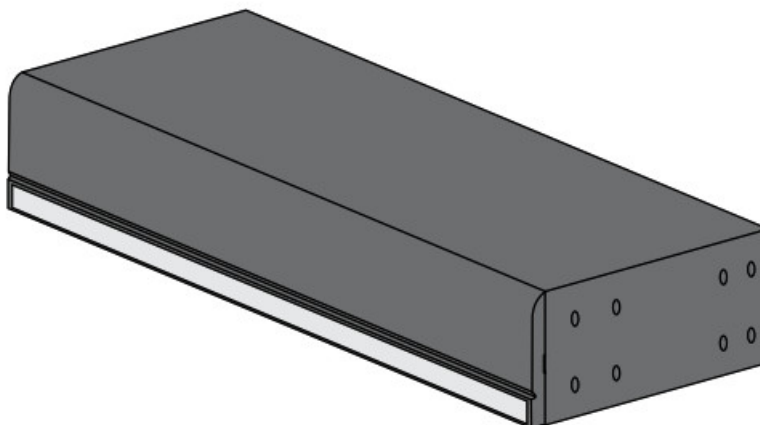## MOUNTING OPTIONS

1. **KX7S Touchscreen**

The KX7S Touchscreen is designed for flush-mount, in-wall installations. It requires an available mounting depth of 52.5 mm (2 inches) from the surface of the wall. The recommended mounting height for the KX7S Touchscreen is between 1.4 and 1.5 m (4.5 and 5 ft) from the bottom of the faceplate. The installation requires 52.5 mm (2 inches) mounting depth from the surface of the wall.

Note: There is little margin for error when fitting the KX7S Touchscreen into the wall opening. Make sure to use the included cardboard cut-out template to create the correct size opening in the wall. Additionally, carefully double-check that all measurements taken using the cardboard cut-out template are accurate.

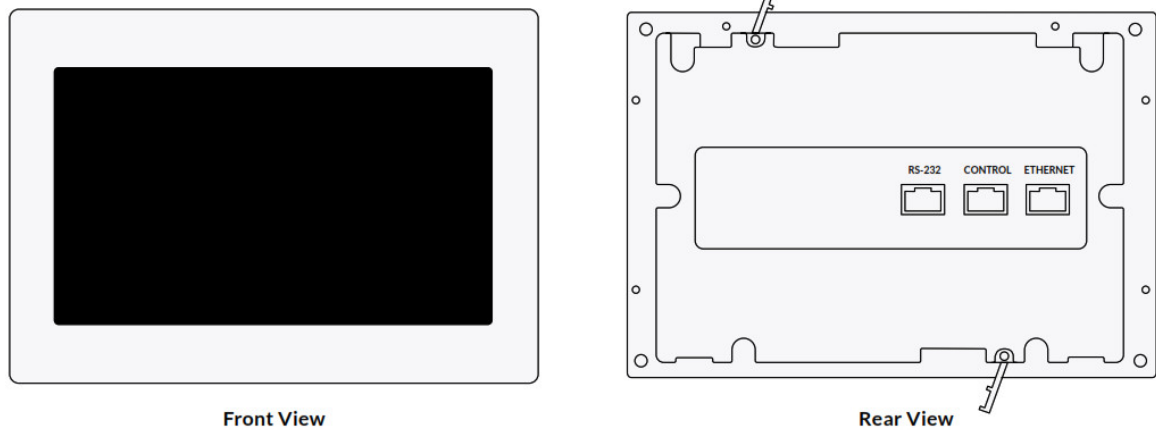2. **XP-6S Advanced Control Processor**

The XP-6S Advanced Control Processor can be either rack-mounted (mounting bracket included) or free-standing in the IT closet.
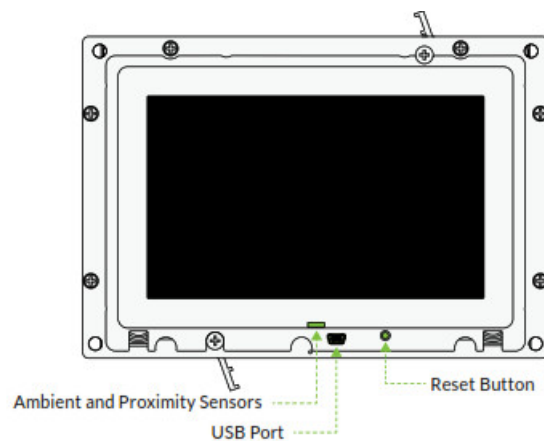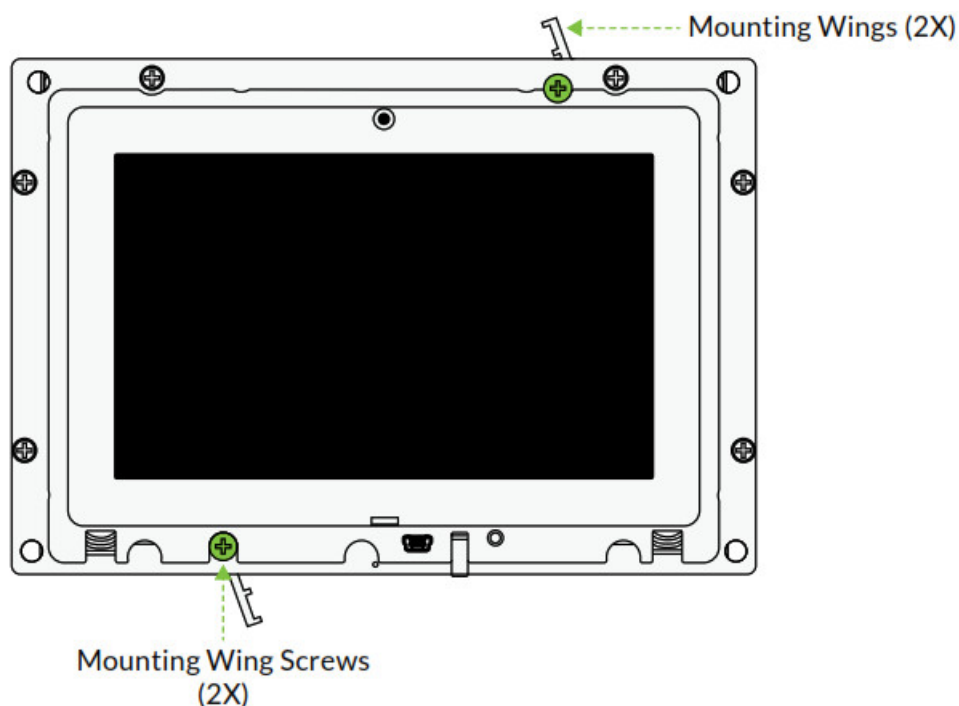

INSTALLATION

KX7S Touchscreen

1. The KX7S Touchscreen is rated for dry, indoor locations only.

Front View   **Rear View**

2. The KX7S Touchscreen has the following built-in components: ambient and proximity sensors, USB port, and reset button.

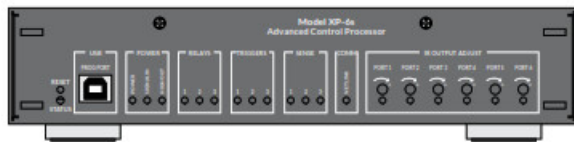Ambient and Proximity Sensors

USB Port

Reset Button

3. Two mounting wings are located on the top and bottom of the KX7S Touchscreen, which can be used to secure the KX7S Touchscreen to drywall in retrofit installations. Place KX7S Touchscreen in the opening in the wall and tighten the mounting wing screws located on the front of the KX7S Touchscreen (bezel removed). Attach the bezel, once the touch screen is securely in place.

Mounting Wings (2X)

Mounting Wing Screws
(2X)

XP-6S Advanced Control Processor
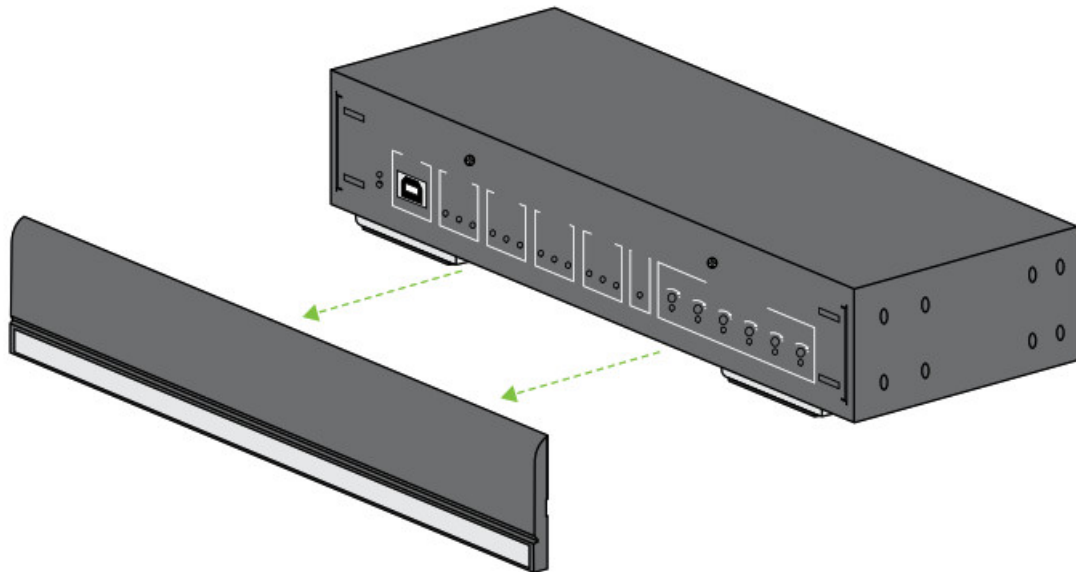
1. The XP-6S front and back panels.

Front View (Cover Off)

Rear View

2. To access the XP-6S front panel, pull the cover forward to remove it.
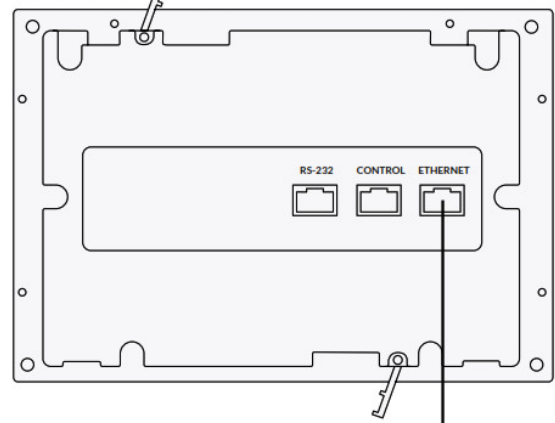

3. A single XP-6S Advanced Control Processor can be used to control up to 100 KX7S Touchscreens in a single site. The KX7S is powered via PoE.
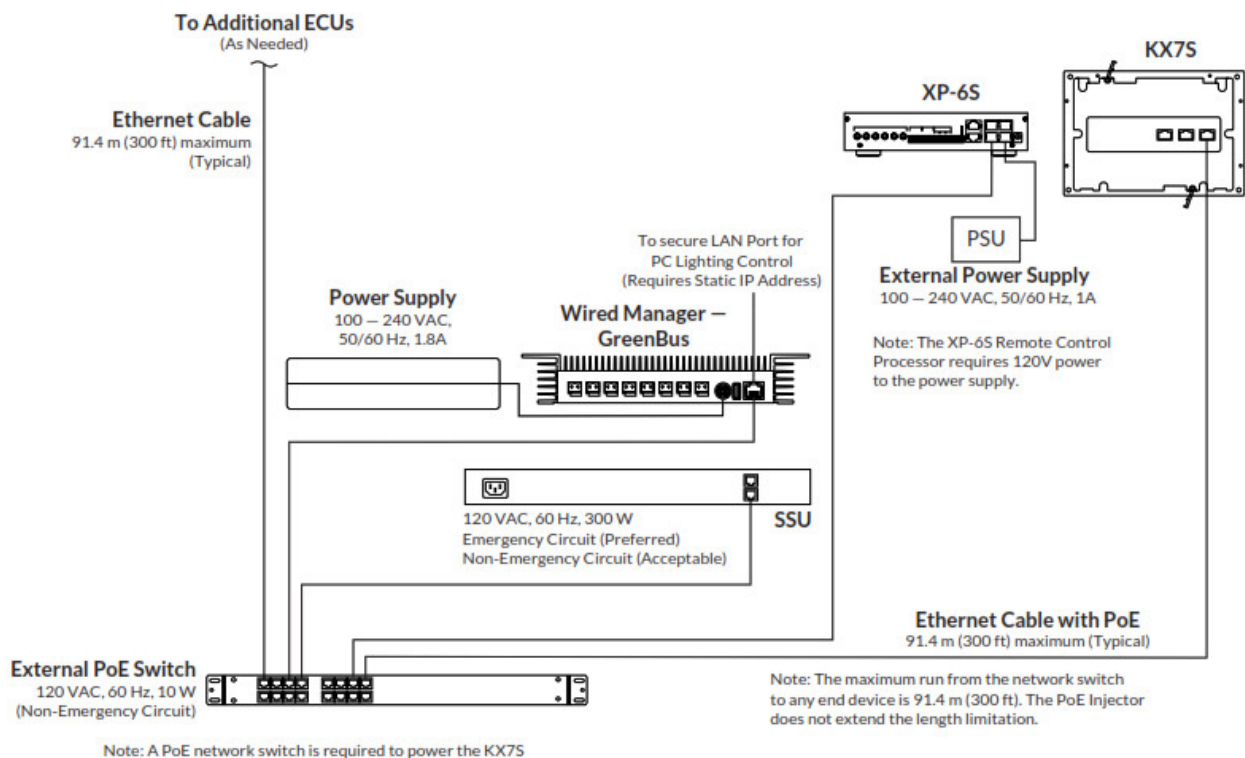

XP-6S

Ethernet to Network Switch

KX7S

Ethernet with PoE to Network Switch

ELECTRICAL CONNECTIONS

1. KX7S Touchscreen and XP-6S Advanced Control Processor Wiring

To Additional ECUs
(As Needed)

Ethernet Cable
91.4 m (300 ft) maximum
(Typical)

XP-6S

KX7S

**To secure LAN Port for
PC Lighting Control**
(Requires Static IP Address)

Power Supply
100 – 240 VAC,
50/60 Hz, 1.8A

**Wired Manager –
GreenBus**

PSU

External Power Supply
100 – 240 VAC, 50/60 Hz, 1A

Note: The XP-6S Remote Control
Processor requires 120V power
to the power supply.

120 VAC, 60 Hz, 300 W
Emergency Circuit (Preferred)
Non-Emergency Circuit (Acceptable)

SSU

Ethernet Cable with PoE
91.4 m (300 ft) maximum (Typical)

External PoE Switch
120 VAC, 60 Hz, 10 W
(Non-Emergency Circuit)

Note: The maximum run from the network switch
to any end device is 91.4 m (300 ft). The PoE Injector
does not extend the length limitation.

Note: A PoE network switch is required to power the KX7S

TROUBLESHOOTING

There are no user-serviceable parts inside. For detailed information about how to set-up, install, use, and maintain Encelium hardware and software, please visit: **help.encelium.com**

ENCELIUM

DOC-000447-00 Rev B 12-21
encelium.com

Documents / Resources

EnCELIum KX7S LCD Touch Screen Display Panel [pdf] Instruction Manual
KX7S LCD Touch Screen Display Panel, KX7S, LCD Touch Screen Display Panel

Manuals+,