K-Tech

C O N N E C T

[**KC601-OEM**]

Text Messaging & Video Solution for OEM Manufacturers

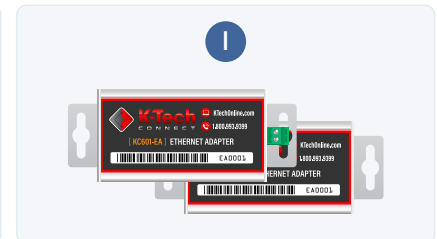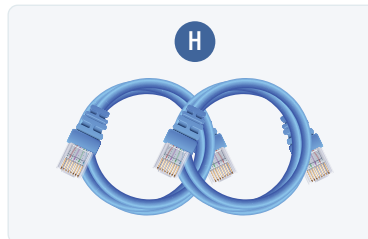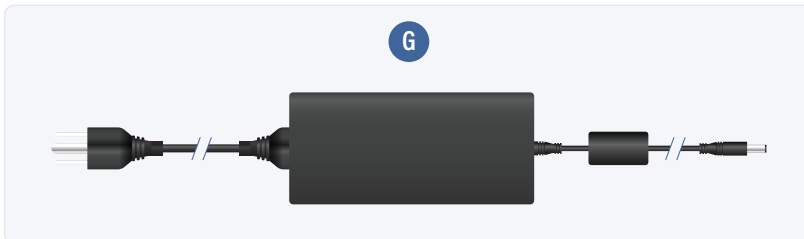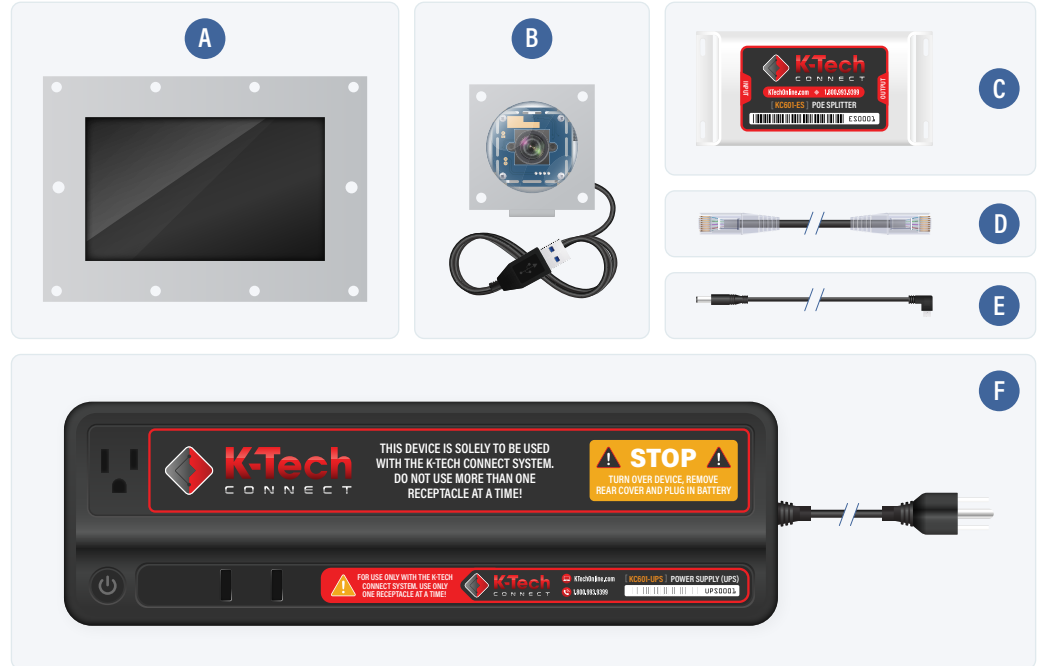## K-Tech Connect Item Checklist

Before you begin installation, please check to make sure you have all of the K-Tech Connect items listed. If you are missing any items, contact your distributor.

A Core Unit with LCD Screen | KC601-S5CB

B USB Camera | KC601-CA

C PoE Splitter | KC601-ES

D 12" Ethernet Cable

E 6" Micro USB Power Cable

F 110v Power Supply (UPS) | KC601-UPS

G Ethernet Adapter Power Supply

H 36" Ethernet Cable (x2)

I Ethernet Adapter (x2) | KC601-EA

A

B

C

D

E

F

THIS DEVICE IS SOLELY TO BE USED WITH THE K-TECH CONNECT SYSTEM. DO NOT USE MORE THAN ONE RECEPTACLE AT A TIME!

STOP
TURN OVER DEVICE, REMOVE REAR COVER AND PLUG IN BATTERY

FOR USE ONLY WITH THE K-TECH CONNECT SYSTEM. USE ONLY ONE RECEPTACLE AT A TIME!

KTechOnline.com · 1.800.893.0399 | KC601-UPS | POWER SUPPLY (UPS) | UPS0001

G

H

I

KTechOnline.com · 1.800.893.0399 | KC601-EA | ETHERNET ADAPTER | EA0001

On-site Checklist

Before you begin installation, you will need the following items on site, **which are not included.**

1. 110v Power | Receptacle
2. Internet Access | Network Switch / Router
3. 1 Shielded Pair for Data/Power Extension | 14 - 20 gauge shielded pair data wires
4. 3 Buttons with Wiring | Yes, No and Phone / Help

110v Power

A standard 110v receptacle is required to power our system.
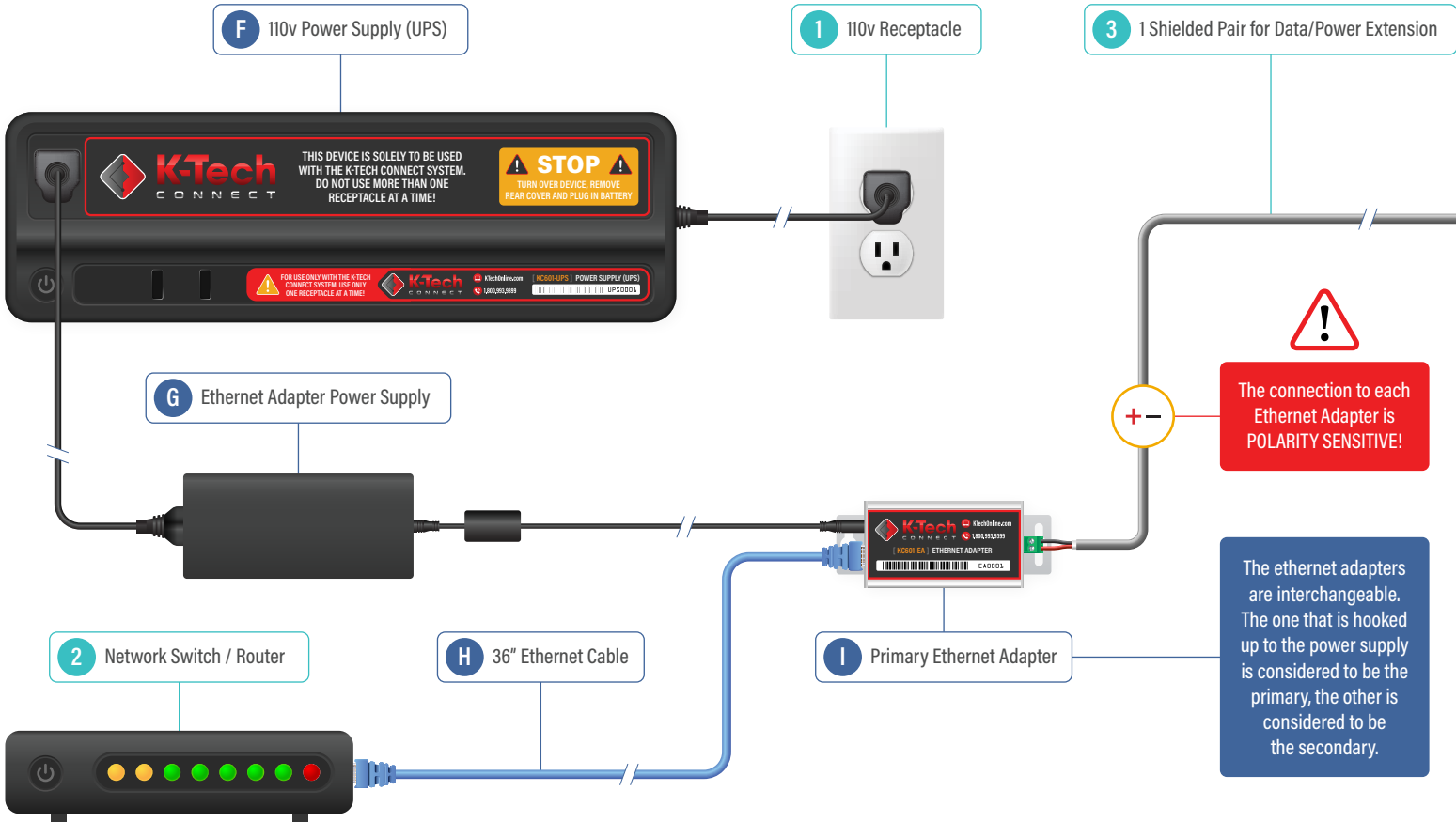
Internet Access

A network switch / router with internet access is needed to allow our system to send text messages and live video to emergency responders.
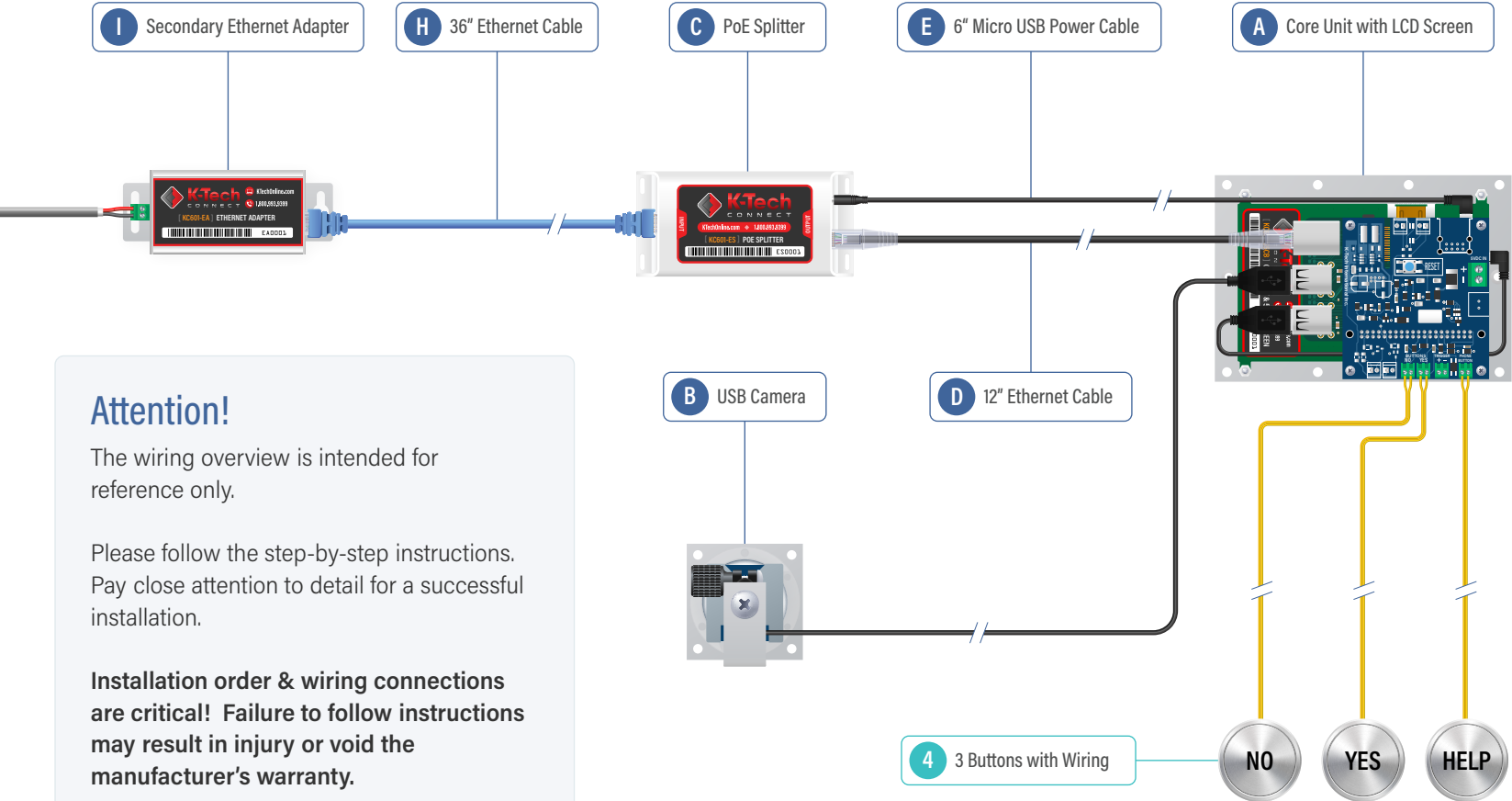
1 Shielded Pair for Data/Power Extension

A wire pair is needed to deliver power and internet access to the K-Tech Connect device. Typically, you can make use of an available shielded copper pair already located in the traveller cable. **The shielded wire pair should be 14 to 20 gauge, within the same sheathing and grounded properly on one end**.

3 Buttons with Wiring

The buttons provide user interaction with the K-Tech Connect Device. **The 3 buttons need to be momentary, wired in the N/O (normally open) position and labelled *Yes*, *No* and *Phone / Help*.**

F 110v Power Supply (UPS)

1 110v Receptacle

3 1 Shielded Pair for Data/Power Extension

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TURN OVER DEVICE, REMOVE REAR COVER AND PLUG IN BATTERY

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⚠

+ − The connection to each Ethernet Adapter is POLARITY SENSITIVE!

G Ethernet Adapter Power Supply

K-Tech KtechOnline.com 1,800,993,9399
[KC601-EA] ETHERNET ADAPTER EA0001

The ethernet adapters are interchangeable. The one that is hooked up to the power supply is considered to be the primary, the other is considered to be the secondary.

2 Network Switch / Router

H 36" Ethernet Cable

I Primary Ethernet Adapter

I Secondary Ethernet Adapter

H 36" Ethernet Cable

C PoE Splitter

E 6" Micro USB Power Cable

A Core Unit with LCD Screen

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[KC601-EA] ETHERNET ADAPTER EA0001

K-Tech CONNECT KTechOnline.com • 1.800.093.0399
[KC601-ES] POE SPLITTER ES0001

RESET

Attention!

The wiring overview is intended for reference only.

Please follow the step-by-step instructions. Pay close attention to detail for a successful installation.

Installation order & wiring connections are critical! Failure to follow instructions may result in injury or void the manufacturer's warranty.

B USB Camera

D 12" Ethernet Cable

4 3 Buttons with Wiring

NO

YES

HELP

Step 1 | 110v Power Supply Installation
Preparing & mounting the 110v power supply

Items in this Step

F **1**

A | Prepare the 110v Power Supply's Back-up Battery
Open the rear panel of the 110v power supply [**F**] and connect the battery. This is important as the battery supplies backup power to the K-Tech Connect system for a minimum of 4 hours during a power outage.

B | Plug in the 110v Power Supply
Plug the 110v power supply [**F**] into the 110v receptacle [**1**]. This will allow the back-up battery to begin charging while you complete the rest of the installation. **Be sure that the 110v power supply is turned OFF (power button not lit) until the final step.**

C | Mount the 110v Power Supply
The power supply should be off the floor. You can secure the power supply to a wall if needed, using the mounting holes on the back of the unit.

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F 110v Power Supply (UPS)

1 110v Receptacle

Step 2 | Primary Ethernet Adapter Wiring
Providing internet and power to the primary ethernet adapter
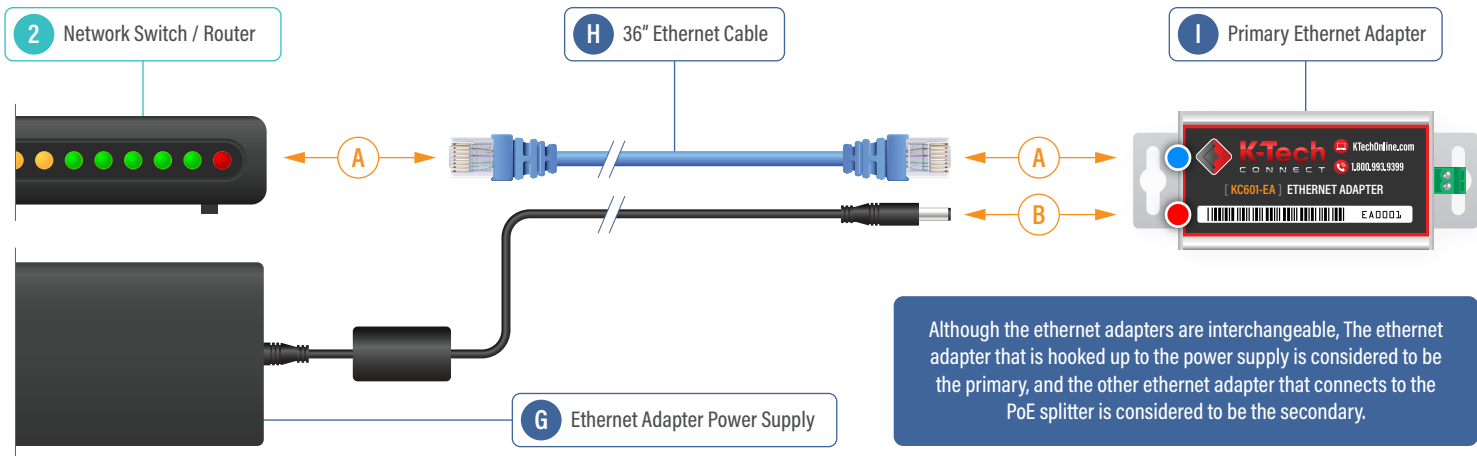
Items in this Step
2 H I G

A | Connect the Ethernet Cable to the Network Switch / Router and the Primary Ethernet Adapter
Plug one end of the 36" ethernet cable [H] into an available port on your network switch / router [2]. Plug the other end of the cable into the ethernet port ● on the primary ethernet adapter [I].

B | Connect the Ethernet Adapter Power Supply to the Primary Ethernet Adapter
Plug the barrel end of the ethernet adapter power supply [G] into the port labeled **Power** ● on the primary ethernet adapter [I].

2 Network Switch / Router

H 36" Ethernet Cable

I Primary Ethernet Adapter

A

A

B

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[KC601-EA] ETHERNET ADAPTER
EA0001

G Ethernet Adapter Power Supply

Although the ethernet adapters are interchangeable, The ethernet adapter that is hooked up to the power supply is considered to be the primary, and the other ethernet adapter that connects to the PoE splitter is considered to be the secondary.

Step 3 | Primary Ethernet Adapter Wiring
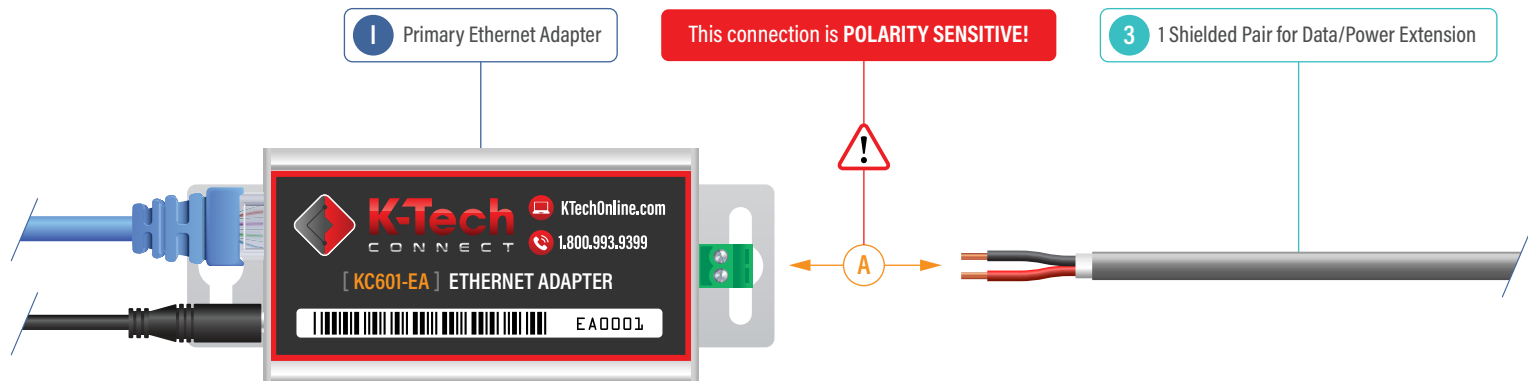Connecting the shielded pair extension to the primary ethernet adapter
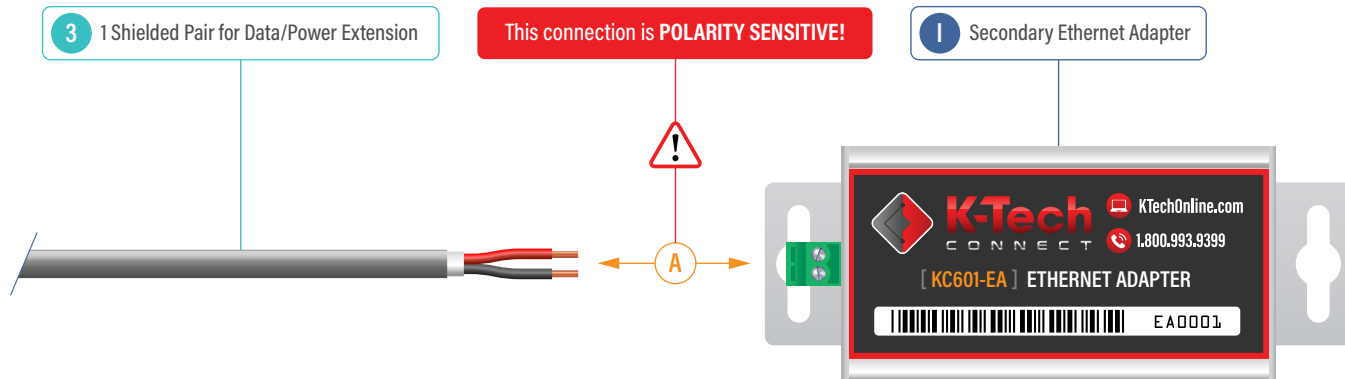
Items in this Step

I **3**

A | Connect the Shielded Pair Extension to the Primary Ethernet Adapter
Connect the two wires on one end of the shielded pair [**3**] to the **primary** ethernet adapter [**I**] using the screw terminals.
Make sure to check polarity and seat the wires properly before tightening.

I Primary Ethernet Adapter

This connection is **POLARITY SENSITIVE!**

3 1 Shielded Pair for Data/Power Extension

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[KC601-EA] ETHERNET ADAPTER

EA0001

A

Step 4 | Secondary Ethernet Adapter Wiring
Connecting the shielded pair extension to the secondary ethernet adapter

Items in this Step

I 3

A | Connect the Shielded Pair Extension to the Secondary Ethernet Adapter
Connect the two wires on the other end of the shielded pair [3] to the **secondary** ethernet adapter [I] using the screw terminals.
Make sure to check polarity and seat the wires properly before tightening.

3 1 Shielded Pair for Data/Power Extension

This connection is **POLARITY SENSITIVE!**

I Secondary Ethernet Adapter

A

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[KC601-EA] ETHERNET ADAPTER

EA0001

Step 5 | PoE Splitter Wiring
Connecting the ethernet cable to the secondary ethernet adapter and PoE splitter

Items in this Step
I **H** **C**

A | Connect the 36" Ethernet Cable to the Secondary Ethernet Adapter
Plug one end of the 36" ethernet cable [**H**] into the ethernet port ● on the secondary ethernet adapter [**I**].

B | Connect the 36" Ethernet Cable to the PoE Splitter
Plug the other end of the 36" ethernet cable [**H**] into the ethernet port ● on the **input** side of the PoE splitter [**C**].

I Secondary Ethernet Adapter

H 36" Ethernet Cable

C PoE Splitter

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A

B

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[KC601-ES] POE SPLITTER
ES0001
INPUT
OUTPUT
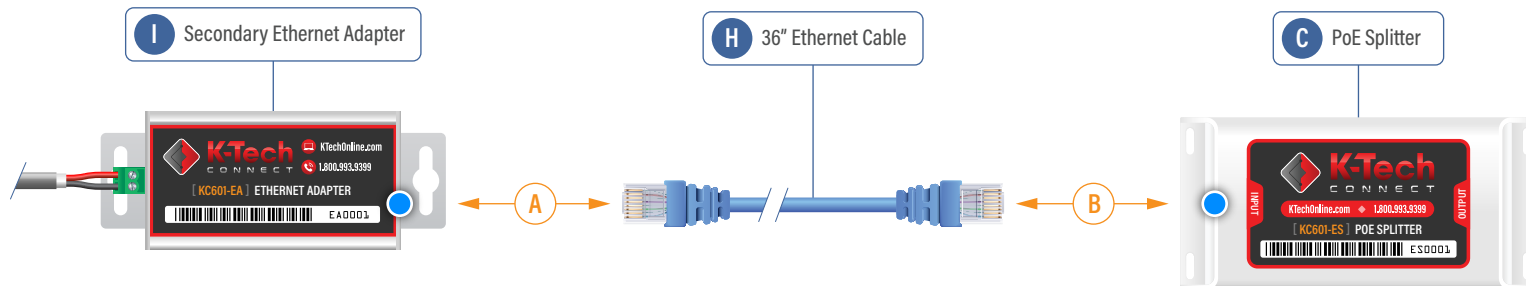
Step 6 | PoE Splitter Wiring
Connecting the micro usb power cable and ethernet cable to the PoE splitter
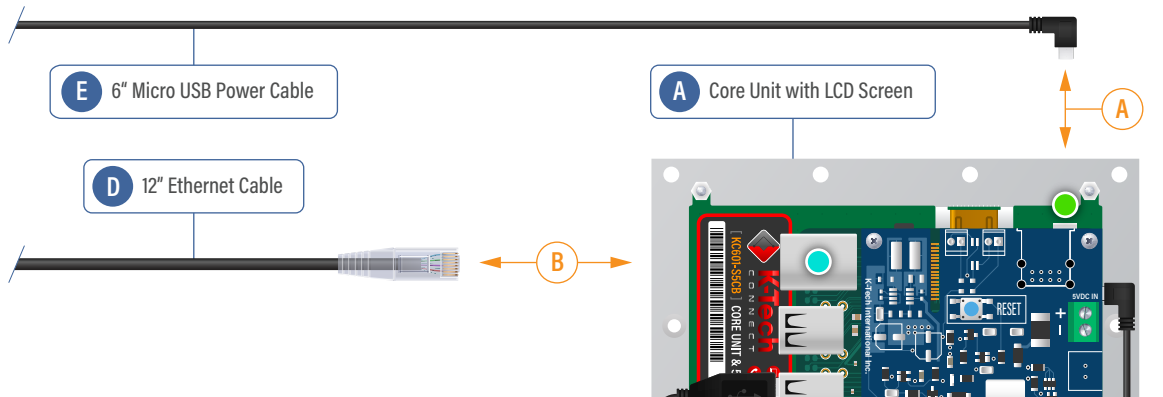
Items in this Step
C E D

A | Connect the 6" Micro USB Power Cable to the PoE Splitter
Plug the barrel end of the 6" micro USB cable [E] into the power port ● on the **output** side of the PoE splitter [C].

B | Connect the 12" Ethernet Cable to the PoE Splitter
Plug one end of the 12" ethernet cable [D] into the ethernet port ● on the **output** side of the PoE splitter [C].

C PoE Splitter

E 6" Micro USB Power Cable

D 12" Ethernet Cable

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[KC601-ES] POE SPLITTER
ES0001

INPUT
OUTPUT

A

B
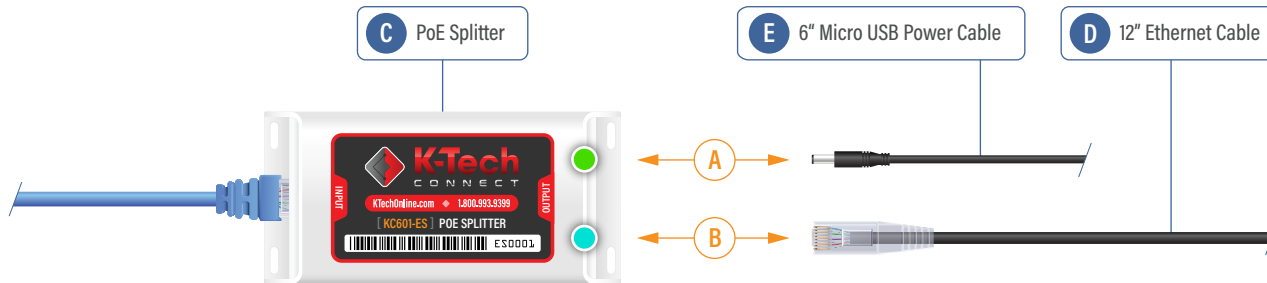
Step 7 | Core Unit Wiring
Connecting micro usb power cable and ethernet cable to the core unit

Items in this Step

E   D   A

A | Connect the 6″ Micro USB Power Cable to the Core Unit
Plug the USB end of the 6″ micro USB cable [E] into the micro USB power port ● on the core unit [A].

B | Connect the 12″ Ethernet Cable to the Core Unit
Plug one end of the 12″ ethernet cable [D] into the ethernet port ● on the core unit [A].


E   6″ Micro USB Power Cable

A   Core Unit with LCD Screen

A

D   12″ Ethernet Cable

B

Step 8 | USB Camera Wiring
Connecting the USB camera to the core unit

Items in this Step

A B

A | Connect the USB Camera to the Core Unit

Insert the USB plug from the USB camera [B] into an open USB port ● on the left side of the core unit [A]. Depending on the model, the USB camera may appear different than the one pictured here. This step is the same no matter what USB camera you are using.

B USB Camera

A Core Unit with LCD Screen

A
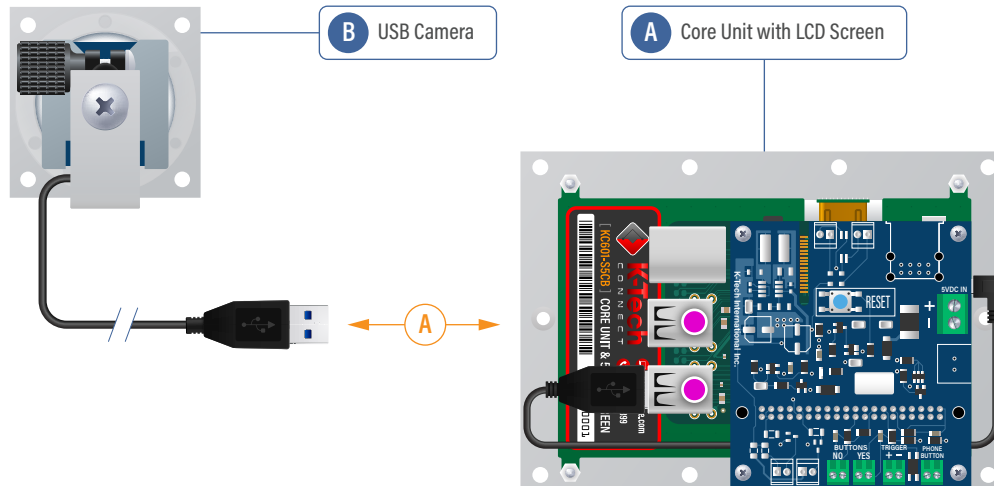
Step 9 | Button Wiring
Connecting the Yes & No buttons and the Phone / Help Button to the Core Unit

Items in this Step

4 **A**

A | Connect the 3 Buttons to the Core Unit

Connect each button (Yes, No and Phone / Help) [**4**] to the screw terminals ● on the core unit [**A**] using a wire pair cut to proper length and stripped. **These need to be *momentary* buttons, wired in the N/O (normally open) position.**

A Core Unit with LCD Screen

The button connections
are not polarity sensitive

B

BUTTONS   TRIGGER   PHONE
NO   YES   + −   BUTTON

NO   **YES**   **HELP**

4 3 Buttons with Wiring
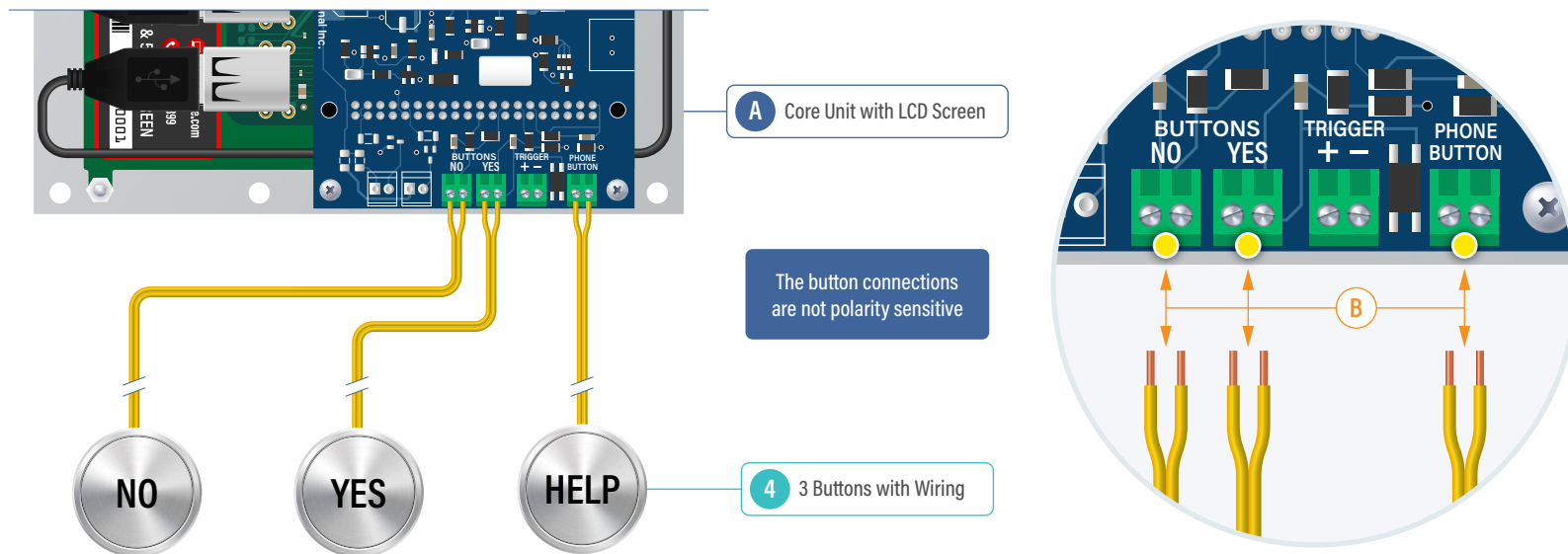
Step 10 │ Final Wiring
Powering up the K-Tech Connect System

Items in this Step
G F

A │ Connect the Ethernet Adapter Power Supply to the 110v Power Supply
Be sure that the 110v power supply is OFF (power button not lit) before completing this step. Plug the ethernet adapter power supply [G] into the open receptacle ● of the 110v power supply [F] .

B │ Turn on the 110v Power Supply
Press the power button on the 110v power supply [F] to power up the K-Tech Connect System. The power light should be solid green.

A

B

G Ethernet Adapter Power Supply

F 110v Power Supply (UPS)

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[KC601-UPS] POWER SUPPLY (UPS)
UPS0001

Power Button

No Light	Sleep Mode or Shutdown Mode from Low Battery or Overload
Solid Green	Power On
Slow Flashing Green	Outlets Powered by Back-up Battery
Fast Flashing Green	Low Battery
Flashing Red or Alternating Green to Red Flashing	Replace Battery
Solid Amber	Load Limit Exceeded