

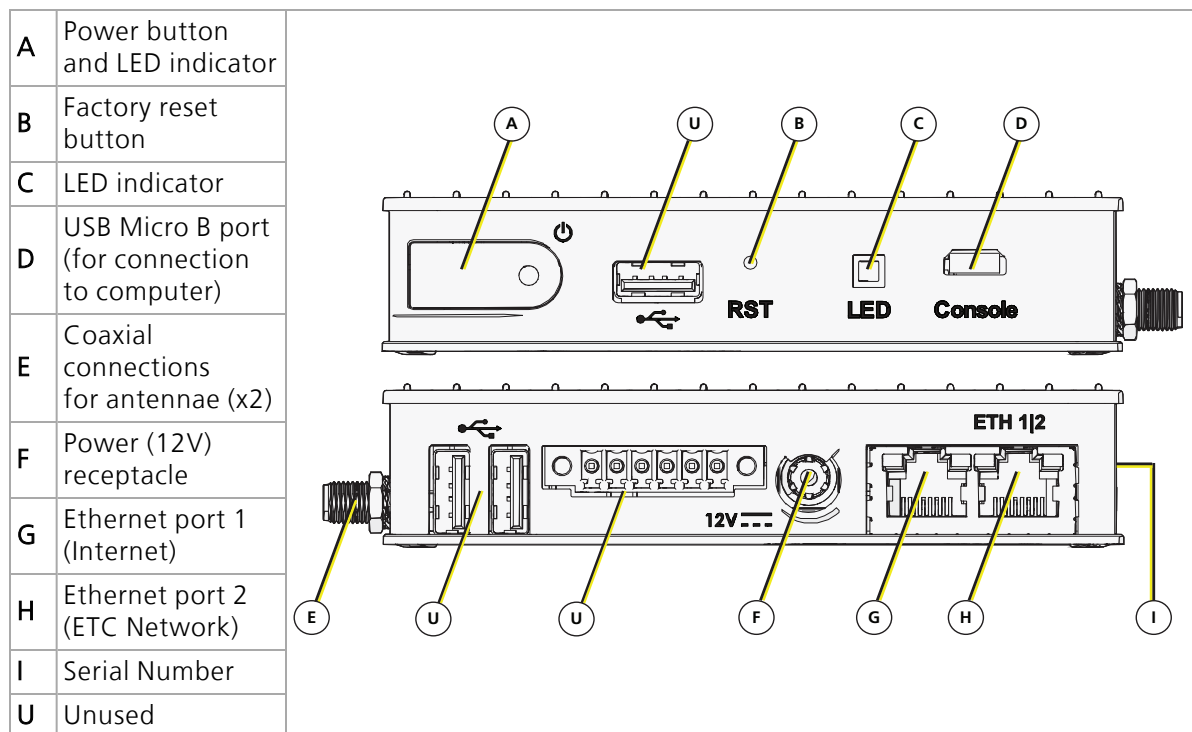
# ETC Setup Guide

## ETC SiteLink ETC SiteBox

### Overview

This guide provides the steps for installing your ETC SiteBox and connecting it to ETC SiteLink on your lighting network.

### ETC SiteBox Hardware



The LED indicator has the following states.

- Solid amber: The ETC SiteBox is powered on and connected to the control network.
- Blinking amber: The ETC SiteBox is powered on and not connected to the control network.
- Off: The ETC SiteBox is powered off.



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### Additional Hardware Requirements

The following cables or connectors are required to configure or use ETC SiteBox with ETC SiteLink.

- A 12 V power supply (provided) to connect to the power receptacle (F).
- A USB Micro B to USB A cable (provided) to connect the Console USB Micro B port (D) to a computer for initial configuration.
- An Ethernet cable (not provided) to connect the Ethernet port 2 (H) to your lighting network.

### Software Requirements

The proper driver must be installed on the computer you use to configure the ETC SiteBox.

Download the current driver for your computer here: <https://www.silabs.com/developers/usb-to-uart-bridge-vcp-drivers?tab=downloads>.



**Note:** *Serial Enumeration Drivers are not required.*

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Additionally, you must have a terminal emulator (i.e., TeraTerm or PuTTY) capable of serial communication installed on your computer.



**Note:** *The following procedures provide specific details on configuring the ETC SiteBox through the TeraTerm application (<https://teratermproject.github.io/index-en.html>). Expect variances when using PuTTY or another terminal emulator.*

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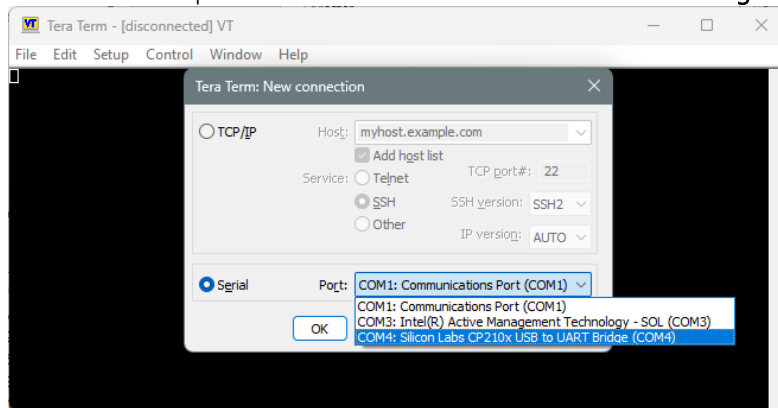
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### Step 1: Establish Serial Connection

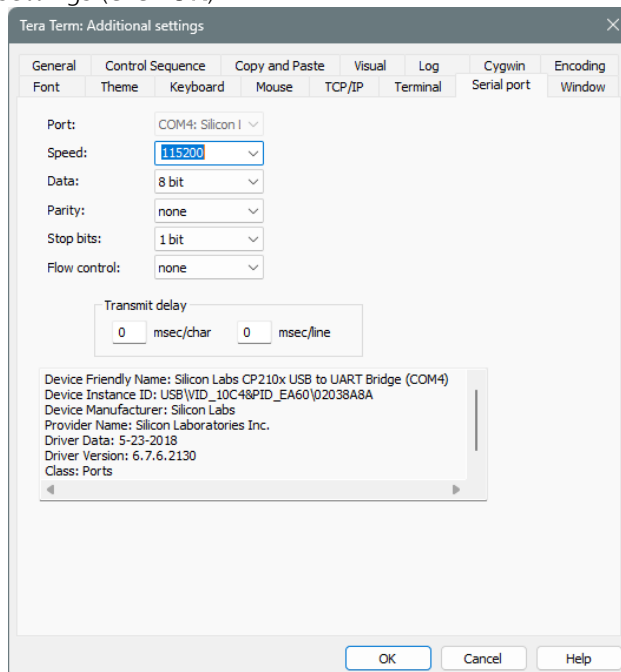
Before you configure your ETC SiteBox, you need to establish a serial connection to a computer that meets the [Software Requirements](#) listed.

1. With your ETC SiteBox **disconnected from power**, connect a Micro USB cable to the Console port on the device. Connect the other end of the cable to your computer.
2. Plug the barrel connector into the power receptacle on the back of the ETC SiteBox and then plug the 12 V power supply cable into a power source.
3. Open TeraTerm or your terminal emulator application and create a new connection (**File > New Connection**).
4. Select the serial port: **Silicon Labs CP210x USB to UART Bridge**.



**Note:** If you do not have this serial port option, you need to download the appropriate driver listed in the [Software Requirements](#) section.

5. Click **OK** and then set up your serial port (**Setup > Serial port...**).
6. Select **115200** as the Speed for your serial port connection and then save the serial port settings (click **OK**).



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### Step 2: ETC SiteBox Configuration

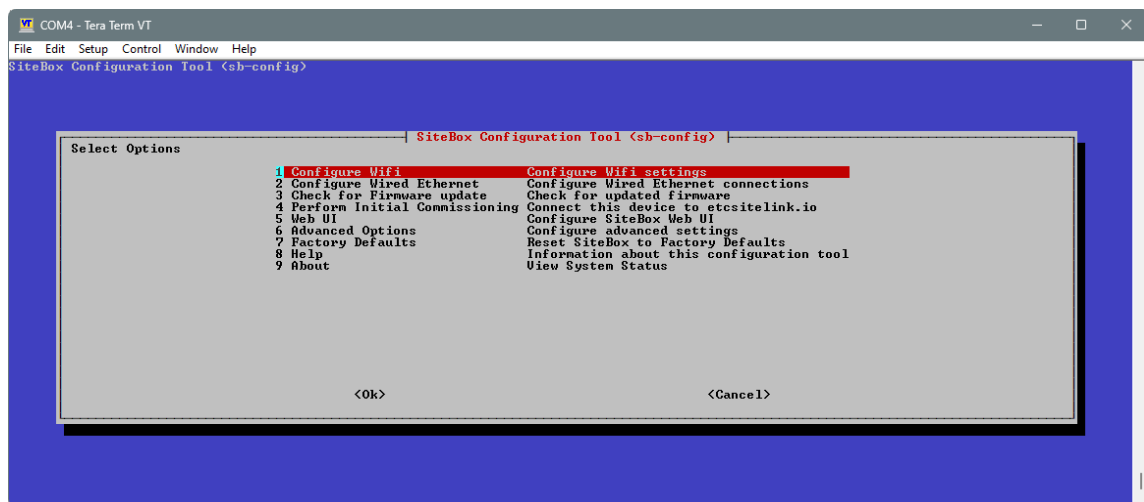
Load the ETC SiteBox Configuration tool using the following steps:

1. Connect the Control network to the Ethernet port 2 on the ETC SiteBox.
2. Wait for the terminal to display the **sitebox login** prompt.
3. From the **sitebox login** prompt, enter **setup**.
4. From the **Password** prompt, enter **setup**. This launches the SiteBox Configuration Tool dialog.
5. You may need to resize the dialog to display the full configuration tool. If you do resize the dialog, press **Enter** to refresh the screen.



**Note:** Pressing **Enter** to refresh the screen advances the screen. Before you continue to the next set of instructions, return to the initial configuration screen shown below. In most instances this requires you to use the **Tab** key to move to the **Cancel** selection and then press **Enter**.

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### Navigate the ETC SiteBox Configuration Tool

Use the following keys to navigate the UI of the configuration tool.

- Use the Up, Down, Left, and Right arrows move the cursor / selected option
- Use the **[Tab]** key to move sequentially through selection options
- Press the **[Space]** key to make a selection
- Use the **[Enter]** key to commit a change



**CAUTION:** Do not attempt to use **Ctrl+C** when in the configuration tool or it will send a force quit command.

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### Step 3: Configure the ETC Control Network

1. Connect an Ethernet cable with access to the ETC Control Network to the Ethernet 2 port on the back of the ETC SiteBox.
2. From the SiteBox Configuration Tool (Select Options screen), highlight **2 Configure Wired Ethernet** and press **[Enter]**.
3. From the Network Card screen, highlight **ETH2 Configure port ETH2 <Lighting>** and press **[Enter]**.
4. From the Select IP Mode screen:
  - If you have a DHCP server and want to use DHCP, highlight **DHCP** and press **[Space]**, then press **[Enter]**.
  - If you want to set a static IP, highlight **Static** and then press **[Space]**. Assign the desired IP address and provide a gateway and DNS if necessary.

### Step 4: Connect ETC SiteBox to the Internet

You can connect to the Internet using a wired Ethernet or wireless connection.

#### Wired Ethernet Connection

1. Connect an Ethernet cable with access to the Internet to the Ethernet port 1 on the back of the ETC SiteBox.
2. From the SiteBox Configuration Tool (Select Options screen), highlight **2 Configure Wired Ethernet** and press **[Enter]**.
3. From the Network Card screen, highlight **ETH1 Configure port ETH1 <Internet>** and press **[Enter]**.
4. From the Select IP Mode screen:
  - If you have a DHCP server and want to use DHCP, highlight **DHCP** and press **[Space]**, then press **[Enter]**.
  - If you want to set a static IP, highlight **Static** and press **[Space]**, then press **[Enter]**.
    - Assign the desired IP address, use the Tab key to select Ok, and press Enter.
    - Enter a gateway address if necessary, use the **[Tab]** key to select Ok, and press **[Enter]**.
    - Enter a DNS address if necessary, use the **[Tab]** key to select Ok, and press **[Enter]**.

#### Wireless Connection

1. From the SiteBox Configuration Tool (Select Options screen), highlight **1 Configure Wifi** and press **[Enter]**.
2. From the Enable/Disable Wifi screen, highlight **Enable** and press **[Space]**, then press **[Enter]**. The tool scans for wireless access points.
3. From the Select Wireless Access Point screen, highlight the access point you want and press **[Space]**, then press **[Enter]**.
4. Enter the Wifi password when prompted.
5. After the connection is made successfully, press **[Enter]** to return to the configuration tool.

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### Step 5: Commission the ETC SiteBox

1. From the SiteBox Configuration Tool (Select Options screen), highlight **4 Perform Initial Commissioning** and press [Enter]. Any firmware updates are automatically applied.

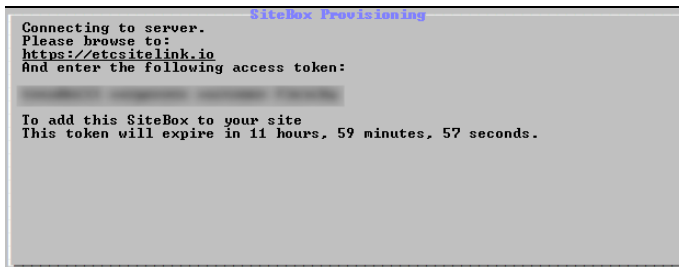


**Note:** *If an update is available, press Enter to begin the process. Once it has completed, log back in and return to 4 Perform Initial Commissioning.*

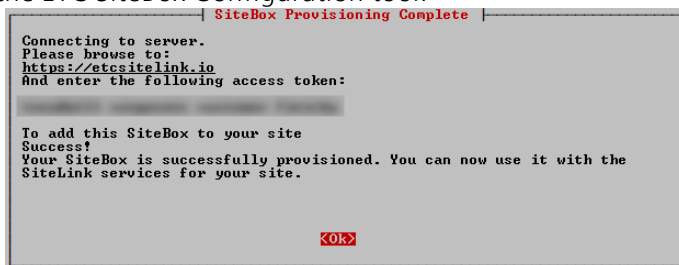
2. The SiteBox Provisioning dialog appears and provides you with an access token (4 strings). Write this access token down or have this screen available for reference.



**CAUTION:** *Do not attempt to use Ctrl+C when in the configuration tool or it will send a force quit command.*



3. Browse to and sign in to your ETC SiteLink site (<https://etc.sitelink.io>).
4. Click the settings wheel icon in the top right corner of ETC SiteLink and select **SiteBox Provisioning** from the menu.
5. In the **Provision SiteBox** field, enter the passphrase (4 string access token).
6. Click **Add**.
7. Enter a name for your ETC SiteBox and click **OK**.
8. Once you have successfully provisioned the ETC SiteBox, the following message appears in the ETC SiteBox Configuration tool:



**Note:** *You can now close Tera Term or the terminal emulator you were using and disconnect the USB cable running from your computer to the ETC SiteBox.*

### Step 6: Add Devices to ETC SiteLink

Once your ETC SiteBox is provisioned and linked to ETC SiteLink, you can add the appropriate devices on your lighting network for monitoring through ETC SiteLink.

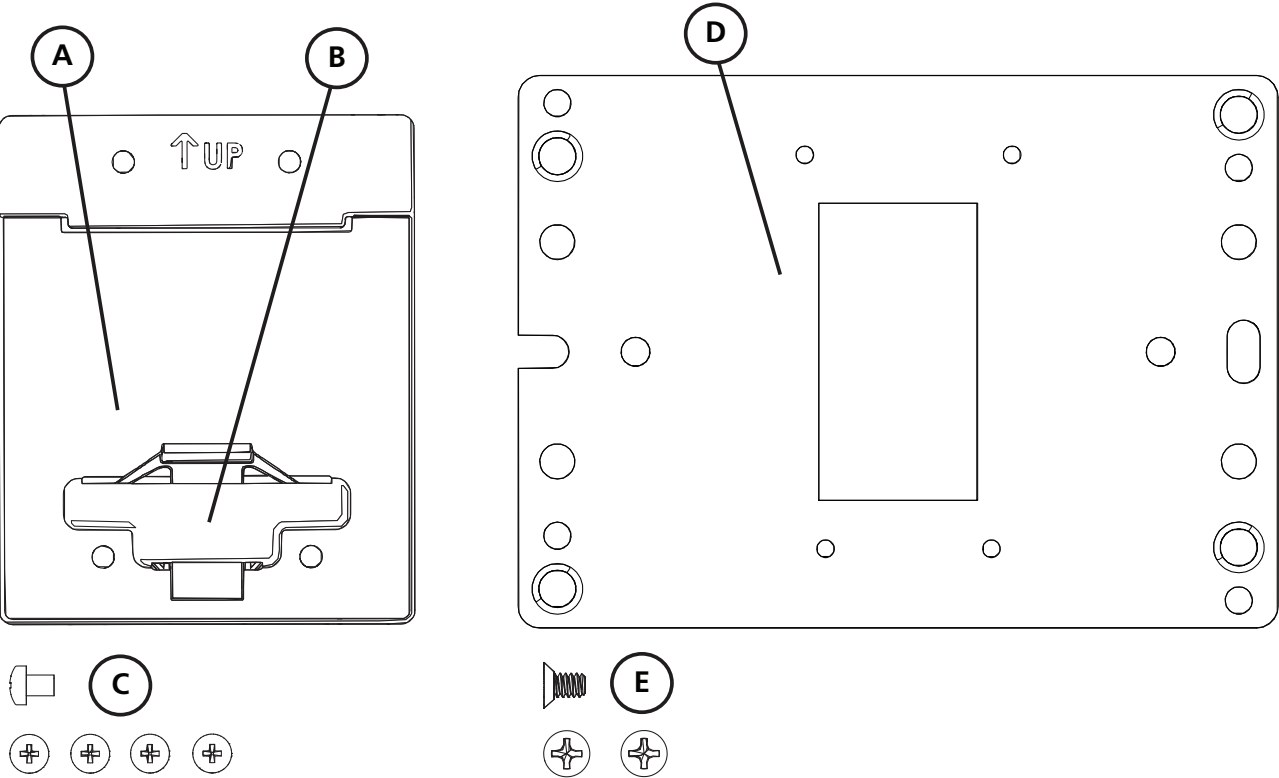
1. From ETC SiteLink, click the settings wheel icon in the top right corner and select **Unbound Devices** from the menu.
2. Select the check boxes next to the devices you want to add.
3. Select the appropriate location from the **Choose a Location** menu, and click **Add Devices**.

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### Appendix – ETC SiteBox Installation

Your ETC SiteBox ships with hardware that provides a variety of installation options. Use the parts list below as a reference for the following sections.



A	DIN-mount bracket
B	DIN-mount bracket clip
C	DIN-mount bracket screws (M3 0.5 x 4 mm)
D	ETC SiteBox mounting bracket
E	ETC SiteBox mounting bracket screws (M3 6 mm)

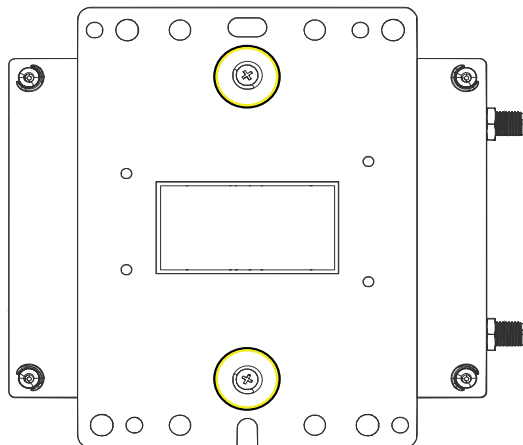
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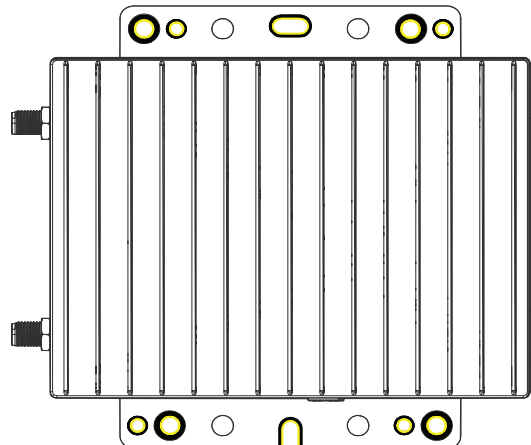
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### Mounting to Surface

If you are going to mount to a surface, such as a wall, attach the mounting bracket (D) to the ETC SiteBox using the provided mounting bracket M3 6 mm screws (E). The mounting bracket provides a variety of mounting holes for you to use depending on your situation. The space between the common holes on either side of the bracket is 63 mm (2.5 in) on center.



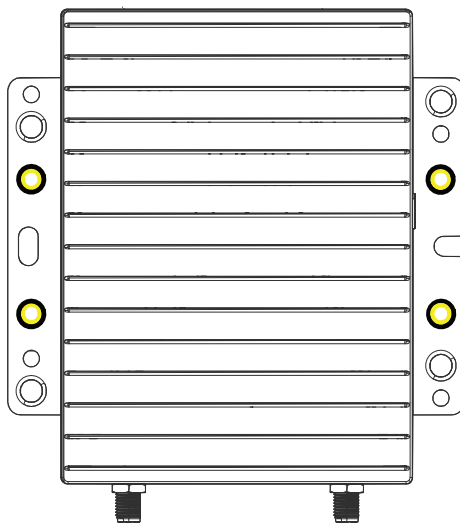
Attach ETC SiteBox to bracket with two M3 6 mm screws (provided)



Variety of mounting hole options

### Mount to Rack Rail

You can mount one side of the bracket to a rack rail using one set of the holes highlighted below:





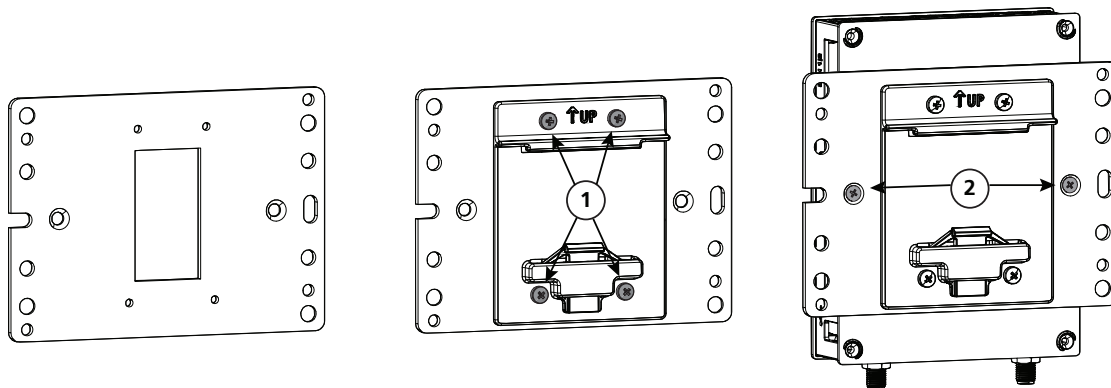
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### Mounting to DIN-rail

The DIN-mount bracket can only be attached in the orientation shown in the following images.

1. Attach the DIN-mount bracket (A) to the ETC SiteBox mounting bracket (D) using the four provided DIN-mount bracket M3 4 mm screws (C).
2. Attach the ETC SiteBox mounting bracket (D) to the ETC SiteBox using the two mounting bracket M3 6 mm screws (E).



### Attach to DIN rail

1. Angle the top of the ETC SiteBox away from the DIN rail.
2. Slide the ETC SiteBox up so the bottom of the DIN rail pushes down on the DIN-mount bracket clip (B).
3. Angle the top of the ETC SiteBox back toward the DIN rail so the top of the DIN-mount bracket (A) clips onto the DIN rail.

To remove, push up on the ETC SiteBox and angle the top away from the DIN rail.

