



## UCS T 911 and UCS R 912 • Setup Guide

### IMPORTANT NOTE:

Go to [www.extron.com](http://www.extron.com) for the complete UCS T 911 and UCS R 912 User Guide, installation instructions, and specifications before connecting the product to the power source.



This guide provides basic instructions for an experienced technician to install and configure the Extron UCS 910 Series.

The UCS T 911 and UCS R 912 extend USB signals from USB 3.2, 2.0, and 1.1 peripheral devices up to 328 feet (100 meters) to a USB 3.2 host computer, over a single CAT 6a or higher twisted pair cable.

The transmitter features a USB Type-C connector. The receiver features a built-in two-port hub that supplies up to 5 V, 900 mA for each port to power attached devices, and remotely powers the transmitter.

**NOTE:** This product supports USB data ONLY. DisplayPort Alt Mode and power delivery are NOT supported.

### Application Diagram

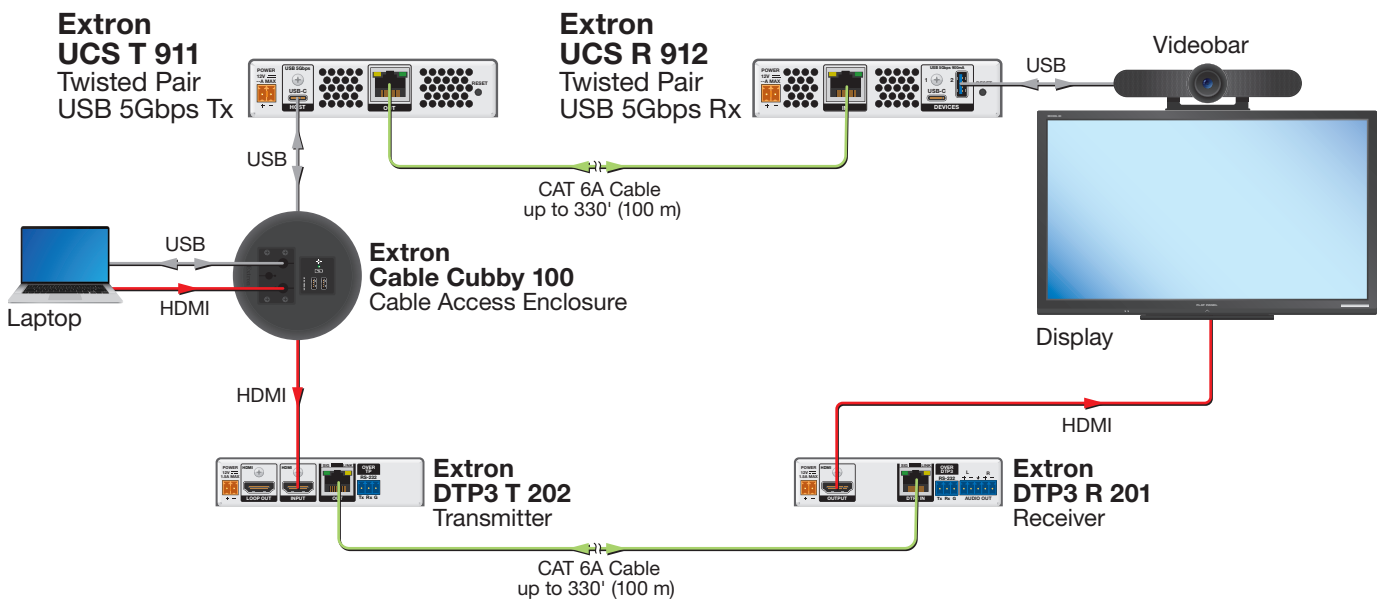


Figure 1. UCS T 911 and UCS R 912 Application Diagram

### Rear Panel Connections

#### UCS T 911

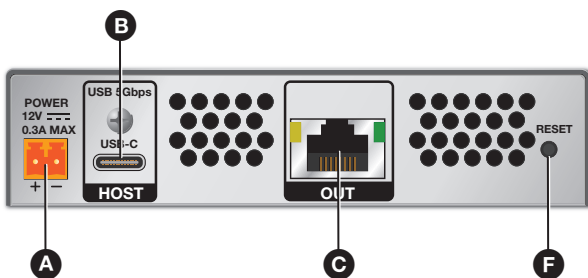


Figure 2. Transmitter Rear Panel

#### UCS R 912

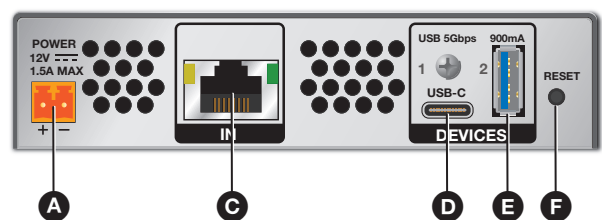


Figure 3. Receiver Rear Panel

**A Power connector** (see [figure 2](#) and [figure 3](#) on page 1) —

- **Transmitter** — Connect the optional 12 V, 0.5 A max. external power supply to this 2-pole, 3.5 mm captive screw connector.
- **Receiver** — Connect the provided 12 V, 2.0 A max. external power supply to this 2-pole, 3.5 mm captive screw connector.
- **Receiver (with remote power to transmitter)** — Connect the provided 12 V, 2.0 A max. external power supply to the 2-pole, 3.5 mm captive screw connector once the twisted pair cable is connected between the units. The transmitter cannot remotely power the receiver.

**ATTENTION:**

- The power supply must not be permanently fixed to the building structure or similar structures.
- La source d'alimentation ne devra pas être fixée de façon permanente à une structure de bâtiment ou à une structure similaire.
- Do not mount the power supply in air handling spaces or in wall cavities.
- Ne pas installer la source d'alimentation dans des espaces d'aération ou dans des cavités murales.
- The installation must always be in accordance with the applicable provisions of National Electrical Code ANSI/NFPA 70, article 725 and the Canadian Electrical Code part 1, section 16.
- Cette installation doit toujours être conforme aux dispositions applicables du Code américain de l'électricité (National Electrical Code) ANSI/NFPA 70, article 725, et du Code canadien de l'électricité, partie 1, section 16.
- The power supply must be located within the same vicinity as the Extron AV processing equipment in an ordinary location, Pollution Degree 2, secured to a podium, a desk, or an equipment rack within a dedicated closet.
- La source d'alimentation doit être située à proximité de l'équipement audiovisuel Extron dans un emplacement habituel, avec un degré de pollution 2, fixée à une estrade, un bureau, ou dans une baie technique à l'intérieur d'un placard dédié.
- Always use a power supply provided by or specified by Extron. Use of an unauthorized power supply voids all regulatory compliance certification and may cause damage to the supply and the end product.
- Utilisez toujours une source d'alimentation fournie ou recommandée par Extron. L'utilisation d'une source d'alimentation non autorisée annule toute certification de conformité réglementaire, et peut endommager la source d'alimentation et l'unité.
- If not provided with a power supply, this product is intended to be supplied by a power source marked "Class 2" or "LPS" and rated at 12 VDC, minimum 2.0 A.
- Si ce produit ne dispose pas de sa propre source d'alimentation électrique, il doit être alimenté par une source d'alimentation de classe 2 ou LPS et paramétré à 12 V et 2,0 A minimum.

**B Host connector** — Connect a USB Type C-to-C or Type A-to-C cable between this USB-C port and a host device USB port.

**C Twisted pair connectors** —

- **Transmitter** — Connect to a CAT 6A or better twisted pair cable from the RJ-45 Input connector of the receiver (see [figure 3](#), [C](#)) to this connector.
- **Receiver** — Connect a CAT 6A or better twisted pair cable from the RJ-45 Output connector of the transmitter (see [figure 2](#), [C](#)) to this connector.

**NOTE:** The Extron XTP DTP 22 twisted pair cable can also be used in place of CAT 6A.

**D Devices** —

- **Port 1 (USB Type-C)** — Connect a USB Type A-to-C or USB Type C-to-C cable between this USB C port and a USB peripheral device.
- **Port 2 (USB Type-A)** — Connect a USB Type A-to-B or USB Type A-to-C cable between this USB A port and a USB peripheral device.

**E Reset button** — Press and hold for factory reset. See the user guide for more information.

# UCS T 911 and UCS R 912 • Setup Guide (Cont'd...)

## Cabling and Setup

Figure 6 shows connections for the UCS T 911 and UCS R 912.

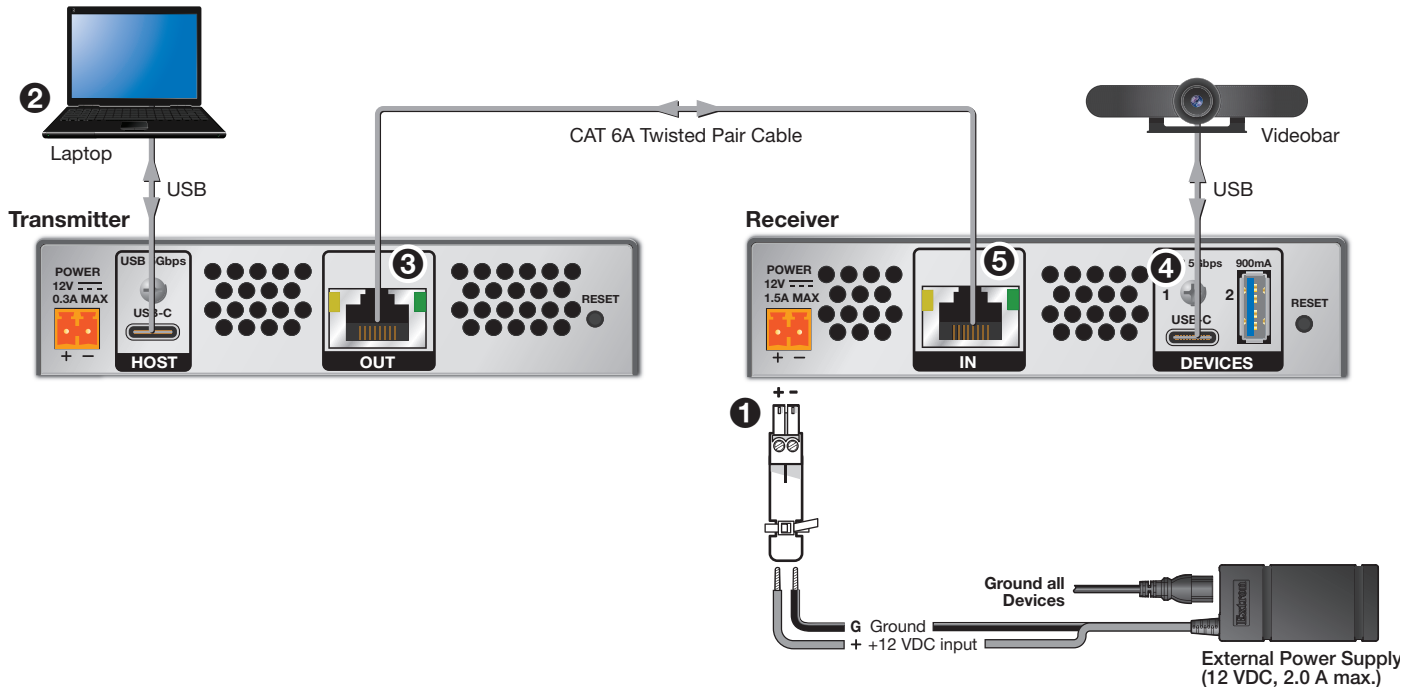


Figure 4. Transmitter and Receiver Connection with Host Laptop and USB Camera

## Installation Procedure

### ATTENTION:

- Installation and service must be performed by authorized personnel only.
- L'installation et l'entretien doivent être effectués uniquement par un technicien qualifié.

To ensure proper operation, the transmitter, receiver, USB host, and USB peripherals must be connected properly and in the sequence described here (see figure 4).

1. Mount the transmitter and receiver in their desired locations
2. Connect a twisted pair cable from the Output port of the transmitter to the Input port of the receiver (figure 4, 3 and 5). The transmitter and receiver front panel LINK LEDs will light steadily (see figures 6 and 7, C on page 4).
3. Connect USB peripheral device (e.g. USB cameras, Keyboard, Mouse, etc.) to the receiver's device ports (figure 4, 4).
4. Wire the provided power supply to the 2-pole captive screw connectors (see figure 5).

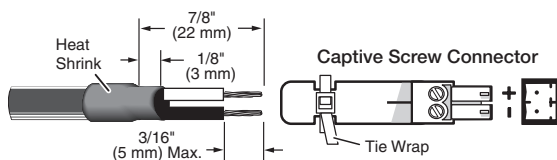


Figure 5. Wiring the Power Connector for the UCS T 911 and R 912

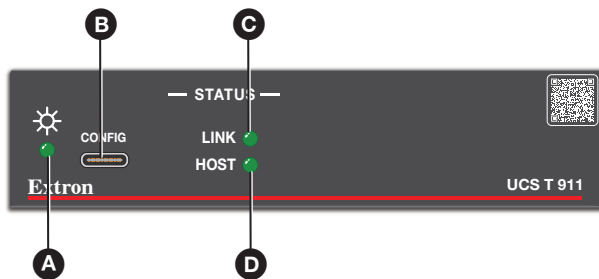
**NOTE:** The UCS T 911 (transmitter) can also be powered by the receiver, without the need for the external power supply.

5. Plug the two power supply connectors into their respective transmitter or receiver rear panel connectors (see figure 4, 1). OR, to remotely power the transmitter by the receiver, connect the 24 watt power supply to the receiver.
6. The green Power LEDs on the Transmitter and Receiver (see figures 6 and 7, A) light when each device is powered on.

7. Connect a USB-C cable from the host device (see [figure 4, ②](#) on page 3) to the transmitter HOST input. The Host LED (see figure 6, **D**) lights, indicating that communication between the transmitter and host device has been established.
8. If appropriate, choose a location and mount the transmitter and receiver.
  - For rack mounting, fasten the enclosure to the rack or rack shelf.
  - For furniture mounting, see the “ZipClip 200 Installation and Mounting” section in the *UCS T 911 and UCS R 912 User Guide* on [www.extron.com](http://www.extron.com).
  - For table mounting, attach the provided four rubber feet to the bottom of the unit and place it where desired.
9. Power on the host computer. On the transmitter, the HOST and LINK LEDs (see figure 6, **C** and **D**) light when the computer recognizes the transmitter, and when the transmitter and receiver are connected with each other. The system is now ready to operate.

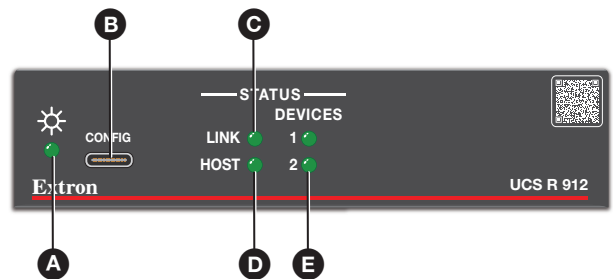
## Front Panel Features

**UCS T 911**



**Figure 6. Transmitter Front Panel**

**UCS R 912**



**Figure 7. Receiver Front Panel**

- A Power LED** — This green LED lights to indicate that the transmitter or receiver unit is receiving power.
- B USB-C Configuration port** — Connect a USB port on the computer to this USB-C connector via a USB-C cable. Use this port for configuring or upgrading firmware on the unit.
- C Link LED** — This green LED lights when the transmitter and receiver are successfully paired, connected with a twisted pair cable, receiving power and communicating with the host PC.
- D Host LED** — This green LED lights when the transmitter is powered and is communicating with the active host PC.
- E Receiver Devices LEDs (1 and 2)** — One or both of these green LEDs light when their respective rear devices ports (1 and 2) are connected to a USB device ([figure 4, ④](#)).

For information on safety guidelines, regulatory compliances, EMI/EMF compatibility, accessibility, and related topics, see the [Extron Safety and Regulatory Compliance Guide](#) on the Extron website.