



ab. | X-Range

USB-C Enabled AV Connectivity Solutions

ab. Ashton
Bentley

Introducing the X-Range

USB-C based AV Technology for meeting rooms.

Solving real-world problems when designing, implementing and using collaboration technology in the meeting room.

Simple, yet extremely versatile solutions for:

- USB-C & HDMI extension
- BYOD
- Signal/content routing & switching
- Full meeting room management and control

Easy to configure with a selection of optional input connectivity equipment, the X-Range simplifies the day-to-day operation of meeting rooms.

Features in all products:



4K @50/60Hz video
4.4.4 uncompressed



Works with Mac or Windows
(No Drivers)



USB-C Fully Specified



USB-C 100W Charging



Locking USB-C & HDMI
(Prevent disconnection)

Simple BYOD connectivity from a single USB-C cable

Overview

An enterprise grade powerful alternative to proprietary USB-C docks, providing breakout connectivity to devices.

Designed to be neatly mounted under a desk/table or in a lectern, this versatile box makes BYOD for meeting rooms easy to set up without unnecessary equipment.

Connect your display and USB devices, then over a single USB-C cable access the network and receive 100W of charging.

What you get

- BX USB-C Breakout Hub
- BX USB-C Charging PSU (100W)
- 2.6m Locking USB-C Cable



BX Breakout Hub Kit

Part No. 100-00038

Simple BYOD connectivity from a single USB-C cable

Key Features

Single 2.6m USB-C cable connectivity to the laptop, providing:

- 100W charging power
- Gigabit network
- USB connectivity to the Videobar
- Cable 'locks' into BX preventing inadvertent disconnection

HDMI output:

- Alt-Mode video (no drivers).
- 4K @50/60Hz video 4.4.4 uncompressed.
- Provision for optional Locking 2.8M HDMI cable

Dynamic USB 5V switching

- The USB 5V power is cycled on/off as you plug and unplug your laptop. This unique feature prevents devices locking up or going into 'device mode' when they shouldn't.



USB-C 100W Charging



Works with Mac or Windows
(No Drivers)



Locking USB-C & HDMI
(Prevent disconnection)

USB-C and HDMI Video/Audio Extender & Auto Switcher. Extends up to 35m (114ft).

Overview

A very cost effective two-box system that extends USB-C or HDMI over a single Cat6a/Cat7 cable up to 35m (114ft).

Simplify connectivity between USB-C & HDMI sources and video bars, displays, projectors or other devices.

Ideal to work with Windows based MTR (Microsoft Teams Rooms) solutions, adding USB-C capability and extending content share to the table.

What you get

- VXT Transmitter
- VXR Receiver
- VX USB-C Charging PSU (100W)
- 10M Cat7 Cable
- 2.6m Locking USB-C Cable
- 2.8m Locking HDMI Cable



VX USB-C & HDMI Video/Audio Extender Kit

Part No. 100-00035

USB-C and HDMI Video/Audio Extender & Auto Switcher. Extends up to 35m (114ft).

Key Features

Video Extender

- Transmits 4K 2K @50/60Hz video 4.4.4 uncompressed video over a single 35m (114ft.) Cat6a/CAT7 cable

Video Switcher – 2 modes

- Auto-select. Last signal connected is transmitted
- Manual via optional Tablebox with Touch Panel

Simple to install and use.

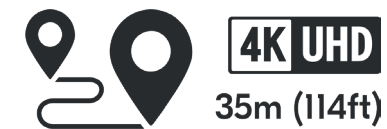
- Works out-of-the-box with no set-up or configuration

Share content:

- Two laptop inputs at the table
- AUX input at the Display/VC end. For example, a room PC

Breakout Audio

- Analogue audio output



Extend/Transmit over distance



Works with Mac or Windows
(No Drivers)



USB-C 100W Charging

Two-box system that provides a complete AV Infrastructure for meeting rooms

Overview

A simple low cost two-box solution providing the complete AV infrastructure for meeting rooms. TX and RX split system, connected via a single 70m (229ft) Cat7 cable.

Designed to partner with the latest Video Conferencing solutions, the boxes replace the traditional rack of AV equipment.

Inbuilt control processor provides signal management and routing, managed USB switching for BYOD, and control of displays and third-party codecs.

The optional UX USB Smart Switch enables easy switching of USB peripherals from a room PC to a user's laptop. Turning a room into both a dedicated VC platform meeting space and a BYOD environment.

What you get

- TX2 Table Hub
- DX2 Room Hub
- TX2 USB-C Charging PSU (100W)
- 10M Cat7 Cable
- 2.6m Locking USB-C Cable
- 2.8m Locking HDMI Cable



TX2/DX2 Meeting Room AV Kit

Part No. 100-00040

Two-box system that provides a complete AV Infrastructure for meeting rooms

Key Features

Works with MAC (no drivers)

TX2 Table Hub at the Table (TX)

- USB-C & HDMI Inputs (locking connectors)
- USB-C provides 100W charging power & Gigabit network
- HDMI Output (for ingest into devices at the table)
- Single Cat6A/Cat7 connection to the DX2. Up to 70m (229ft.)
- 4K 60Hz video 4.4.4 fully uncompressed video

DX2 Room Hub at Display/VC (RX)

- 2 x AUX HDMI inputs + 2 x HDMI Outputs
- Switching/routing matrix for signal routing flexibility
- 3 x USB outputs for BYOD (2 programmable)
- Dynamic USB 3.0 5V power switching – prevents devices locking up
- Can be controlled via RS232 or IP
- Supports Zoom Rooms 'Room Controls'
- Cisco API integration allowing our control buttons to be automatically populated onto the Cisco Navigator touch panel
- HDCP & EDID control
- Control 2 displays via Serial or CEC
- Can be remotely managed and controlled



On-Product OLED Display
(Shows IP Info)



Built-in Webserver GUI
(Simple set-up & configuration)



Extend/Transmit over distance

Intelligent USB switch/hub

Overview

- The UX BYOD Smart Switch is an intelligent USB switch/hub which allows the switching of USB peripherals between a room PC/NUC and a laptop.

The UX has:

- 2 x USB-B Host ports (laptop/room PC)
- 3 x USB-A Device ports (speaker bars, cameras etc.)

Designed to partner the DX2 Room Hub.

What you get

- UX USB Smart Switch

Optional Charging PSU

Use the TX2 USB-C Charging PSU (100W) if the UX is being used standalone or if the connected devices require additional power.

TX2 USB-C Charging PSU (100W)

Part No. 900-00585



UX BYOD Smart Switch

Part No. 900-00450

Discreet housing for input connectivity & control at the table

Overview

The Tablebox can house 2 Cables or 2 Retractors:
1 x USB-C and 1 x HDMI.

When installed in an Ashton Bentley table all mechanics and cables are hidden in the table leg.

Options:

OLED Capacitive Touch Panel. Simple to install into the Tablebox. Provides manual selection of inputs at the table, AUX inputs at the VXR or DX2, plus BYOD in some systems.

Can be programmed via the DX2 in-built web server GUI. Intuitive operation with colour coded buttons that give feedback to the user

Under-table Enclosure. Hide the mechanics and cables when installing in a 3rd party table.



Tablebox

Part No. 900-00491



TableboxTouch Panel

Part No. 900-00509



Under-Table Enclosure

Part No. 900-00528



Cables & Retractors

Cables

2.6m USB-C

Fully specified passive cable simultaneously supporting: 4K60 4:4:4 video, 100W of charging, USB-2, USB-3 and Gigabit network.

With locking connector to prevent inadvertent disconnection from any AB device.



2.8m HDMI

With locking connector to prevent inadvertent disconnection from any AB device.

USB-C Cable

Part No. 115-00065

HDMI Cable

Part No. 115-00066

Retractors

USB-C and HDMI

Both with all metal mechanism for reliability. Tested to 5,000 pulls.

Fully specified USB-C passive cable simultaneously supporting: 4K60 4:4:4 video, 100W of charging, USB-2, USB-3 and Gigabit network.



USB-C Retractor

Part No. 900-00490

HDMI Retractor

Part No. 900-00489

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