

Recommended Third Party USB extenders for use with VB1

Updated November 2020

Due to the unique, one cable bring your own meeting (BYOM) support with VB1, USB extenders are useful to span a long distance or a cable pull between the wall and tabletop. This document covers USB2.0 and USB3.0 extenders that were tested with VB1.

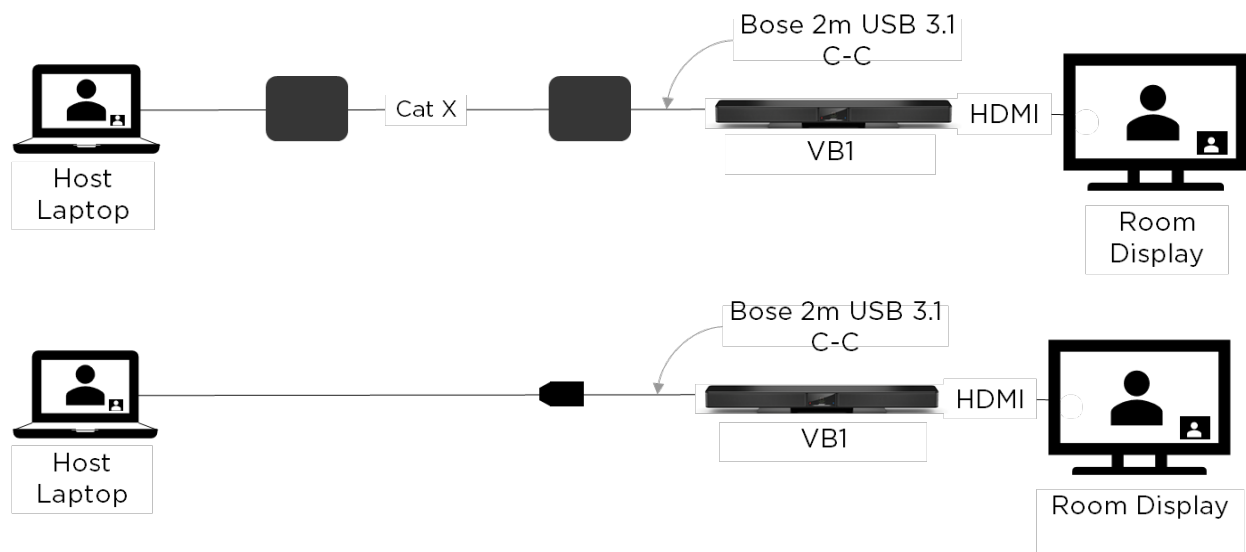
To verify compatibility with VB1 functionality and conditions were considered a pass:

- Mic receive and speaker output
- Camera Receive
- Display output (UHD in extended monitor configuration)
- Control and signaling to BWC app
- HID Signaling Commands (mute sync, volume control)

No visible latency or distortion between camera and laptop

No visible latency or distortion between laptop and content

Two extender configurations were tested for both USB2 and USB3 speeds: cat 5 extension and integrated cable extenders. The diagram for each is shown below.



USB2.0

Model	Length	Notes
Kramer CA-UAM/AUF-65	65m	

USB3.0 +

Model	Length	Notes

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ATEN UE 3310	10m	Pass without external power supply
Icron Raven 3104 Pro	Up to 100m	Tested with 50ft shielded cable.
Eminent EM1535	5m	Pass without external power supply

Those specific models and lengths listed above were tested and verified to be operational with the functions of VB1. Though a particular model is not listed here, it does not imply that it is incompatible with VB1. To use an extender, the device must support **isochronous** data transfer.

A Bose USB 2m USB3.1 cable was used in all testing conditions and is recommended; do not use 5m included in the box with VB1; this cable has a 90-degree bend on one side

As required, use the native speed cable between the laptop and transmitter of the laptop. For example, if your extender is rated for USB3, use a USB 3 cable.

These models were incompatible with VB1

Model	Speed	Notes
Icron ICR2122	USB2.0	
Icron 3001-15	USB3.0	