



## Multiroom Audio Redefined

Binary Media over IP (MoIP) is the modern way to do AV distribution. 4K Ultra HD content can be sent from any number of sources to any number of displays over the network for a completely scalable solution. MoIP Audio works over this same system, distributing premium sound throughout the project without delay. MoIP Audio can be used as a standalone system or with a MoIP system for the most flexible and scalable AV distribution system in the industry.



FASTEST SETUP



FLEXIBLE & SCALABLE



ULTRA-RELIABLE 4K

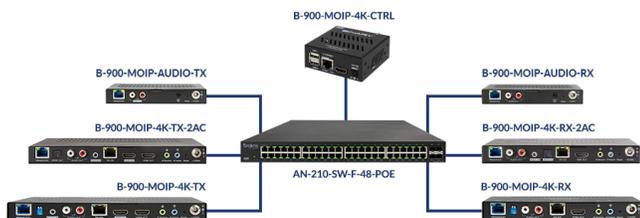


HDR 10



OVC ENABLED

## One Distribution System



Binary MoIP can handle all A/V and multiroom audio, but the addition of MoIP Audio gives you additional 2-channel audio distribution throughout the project. MoIP Audio can be used as a simple point-to-point solution or scaled to a 96 x 96 system with the introduction of the MoIP controller. Plus, MoIP Audio adjusts to account for any delays in video processing for the ultimate in custom audio integration.

## FAQ

### 1. Why is Binary MoIP easy to setup?

Binary MoIP is easy to setup because of the OvrC cloud platform and the hardware controller. Just configure your Layer 2 switch for multicast traffic and then Autodiscover your endpoints with one button via the OvrC controller. Name your sources and displays, add your control drivers (or download the app) and you are good to go.

### 2. Is the system 4K 4:4:4 HDR compatible?

Yes, the system is 4K 4:4:4 HDR compatible at 30Hz. It will accept 60Hz signals but will only send 30Hz content over the network.

### 3. Does Binary MoIP offer audio downmixing?

Yes. Binary 900 Series 4K Media over IP transmitters and receivers are available both with and without downmixing. Choose the downmixing version and eliminate the need to choose multi-channel audio or force downmixing, providing immersive multi-channel audio in one area while sharing throughout the space in a 2-channel audio format.

(Available on B-900-MOIP-4K-TX-2AC and B-900-MOIP-4K-RX-2AC)

### 4. Can I adjust audio to sync perfectly with video using Binary MoIP?

Yes. Binary 900 Series 4K Media over IP transmitters and receivers are available both with and without downmixing. Choose the downmixing version and get lip-sync adjusting for the analog output from 0ms to 250ms for perfect audio/video synchronization.

(Available on B-900-MOIP-4K-TX-2AC and B-900-MOIP-4K-RX-2AC)

### 5. Is there any video latency?

There is no video latency due to the proprietary chipset design used on MoIP encoders and decoders.

### 6. Can I do audio breakaway on each box?

You can break audio out of the analog outputs on each endpoint if your video source is set to 2-ch audio. Multichannel formats can be passed through or looped out of the HDMI loop on the transmitter. There is currently no Dolby or DTS downmixing capability.

### 7. Do the I/O boxes infinitely scale my RS-232 and IR commands and allow routing?

All RS-232 and IR commands can be virtually routed via the local UI and are available via IP protocol. They can be scaled to as many endpoints as desired.

### 8. How many TX and RX boxes can I use?

Current system limitations are artificially capped at 96x96, but you are only limited by your network.

### 9. What is the MoIP controller and why is it needed?

The MoIP controller is the brain of the MoIP system. The custom software that it runs enables easy setup, simple switching, control integration, and OvrC remote access.

### 10. Can I control the MoIP system using RS-232 or do I need an IP based controller?

You can use RS-232 to control MoIP, or the newly released built-in app.

### 11. What is the best way to set up my network to ensure the system works properly?

You should use a dedicated MoIP switch one layer below your router and core switch and configure it for multicast traffic with our networking guide found on the product page's Support tab.

### 12. What if I'm using a switch from another manufacturer – what are the recommended settings?

Recommended settings on switches include enabling IGMP snooping for multicast traffic.

### 13. How do I integrate my control system?

All control drivers are posted on the SnapAV website and are designed in the most simplistic way possible to make matrixed video integration easier than ever.

	B-900-MOIP-4K-TX/RX	B-900-MOIP-4K-TX/RX-2AC
MSRP	\$880.95	\$1199.95
Dimensions in Inches (L x W x H)	TX: 8.19" x 4.73" x 0.83" RX: 6.70" x 4.73" x 0.83"	TX: 8.19" x 6.14" x 0.83" RX: 7.25" x 6.14" x 0.83"
Dolby Digital and DTS Downmixing to 2 Channel Audio	X	✓
Audio Latency Adjustment (Variable Lip Sync Delay)	X	✓
4K HDR Capable	4K30 4:2:2 HDR10	4K30 4:2:2 HDR10
Cloud Controller for EasySetup	✓	✓
Easy Multicast Switch Setup Without VLANs	✓	✓
HDCP Support	2.2 / 1.4	2.2 / 1.4
Multi-Channel Audio	✓	✓
Audio De-embedding	✓	✓
RS-232	✓	✓
IR	✓	✓
Video Wall - Automatic Bezel Adjustment	✓	✓

	B-900-MOIP-AUDIO-TX/RX
MSRP	\$880.95
Dimensions in Inches (L x W x H)	w/o rack ears: 5.5" x 0.83" x 3.15"
Audio Features	Audio Sample Rate: 48kHz, 96kHz, 192kHz Audio Bit Depth: 16 bit, 24 bit
Supported Audio Formats	2CH PCM
Audio Inputs	Analog Stereo RCA
Networking Features	Required Managed Switch: Layer 2 Managed w/ IMGP Snooping
IP Address	Assigned by Controller
System Configuration	Supports single switch deployments: Yes Supports multiple switch deployments: Yes Auto Device Discover: Yes
RS-232	✓
IR	✓
Certifications	CE, FCC, RoHS

Brand	Binary	Vanco	Wyrestorm	Just Add Power	Crestron
Series	900 Series MoIP	EVO-IP	400 Series	718AVP	NVX
4K HDR Capable	4K30 4:2:2 HDR10 (4K60 input support)	4K30 4:2:2 HDR10	4K30 4:2:2 HDR10	4K30 4:2:2 HDR10 (4K60 input support)	4K60 4:4:4 HDR10
Cloud Controller for Easy Setup	✓	✗	✗	✗	✗
Audio Downmixing	✓	✗	✗	✓	✓
Audio Latency Adjustment (Variable Lip Sync Delay)	✓	✗	✗	✓	✗
Easy Multicast Switch Setup Without VLANs	✓	✓	✓	✗	✓
HDCP Support	2.2 / 1.4	2.2 / 1.4	2.2	2.2/1.4	2.2
Multi-Channel Audio	✓	✓	✓	✓	✓
Audio De-embedding	✓	✓	✓	✓	✓
RS-232	✓	✓	✓	✓	✓
IR	✓	✓	✓	✓	✓
Video Wall - Automatic Bezel Adjustment	✓	✓	✗	✗	✓
App	Yes, Embedded	✓	✓	✓	✗
Remote Monitoring	OvrC	✓	✗	✓	✓