

**"The OCTO Jr Provides Affordable,
Integrated Audio Solutions.
Simple, Fast, Reliable!"**



Xavtel®

OCTO Jr™

**DIGITAL AUDIO DSP PROCESSOR
&
SMART MULTI-ROOM SOUND SYSTEM**





The OCTO Jr is a feature-rich audio DSP processor which offers a wide variety of pre-defined I/O configurations to fit a vast array of applications. The OCTO Jr's Designer software provides numerous special features, including internal audio storage, built-in scheduler for audio messages, events, bells, etc.. The additional unique features include I/O audio streaming over IP, USB audio I/O, audio recording as well as special VoIP/SIP client for AEC (Acoustic Echo Cancellation) used for web conferencing via the optional OLA card (equipped with our advanced RAPIDO™ AEC processing).

The OCTO Jr comes equipped with 6 x 6 analog audio I/O, plus 3 additional I/O expansion slots (designated as C, D and E slots). The C and D slots are used for inserting 4CH audio I/O cards such as MIC/LINE audio input and balanced audio output. The E slot is used for specialty cards such as our 2CH audio output or any of the special "OCTO-Link" cards (with or without the AEC option using the OLA/OL card). OCTO-Link cards are used to connect a variety of digital remote peripherals such as the OL-AMP (low-Z digital amplifier), OL-T5 (digital paging console), RWD devices (remote audio I/O plates and controllers) and the ultra-sensitive DGL-MIC microphone. The OCTO-Link bus carries 2 bi-directional channels of digital audio, control data and power over a single CAT5/6/7 cable – max distance over 800 ft (250m). Additional on-board Logic I/O and RS485 control ports, as well as 3rd party control on the Ethernet via UDP. Up to 16 OL-AMP devices can be daisy-chained on a single OCTO-Link port – plus any RWD remote device can be connected to last OL-AMP in the chain.

ACCESSORIES

RWD-MIC



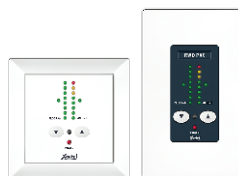
MIC/Line In Device

RWD-SIO



Stereo In/Out Device

RWD-PVC



Volume Control & Source Selector

OL-T5



Paging, Intercom, Room Control & Audio I/O Console

RWD-AIO



Audio I/O & Touch Screen Controller

OL-AMP



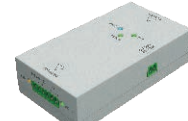
Low-Z Digital Amplifier (20W x 2CH)

DGL-MIC



Ceiling Mount Ultra Sensitive Microphone

DLR01



Digital Loop Repeater with Power Injector

FEATURES

- 25 different hardware I/O configurations
- Message player, event and bell scheduling
- IGMP audio streaming over IP
- Full complement of enhanced DSP functions such as AGC, PEQ, FBX, Hi/Lo Pass, various Mixers etc.
- VoIP and SIP client for teleconferencing (OLA card required)
- USB 2.0 port for message, music playback and storage
- Mini-USB port to connect to PC/Laptop for web conferencing
- OCTO-Link bus for OL-AMP, OL-T5, RWD devices, DGL-MIC with a maximum distance of 820ft/250m via STP CAT5/6 cable
- Logic I/O, RS485, Ethernet for 3rd party control
- Connect the DLR01 to extend the distance of OCTO-Link bus and provide additional 24VDC local power for OL-AMP and other remotes

Restaurant/Bar

BGM/DJ

OCTO JR-03

Equipment List

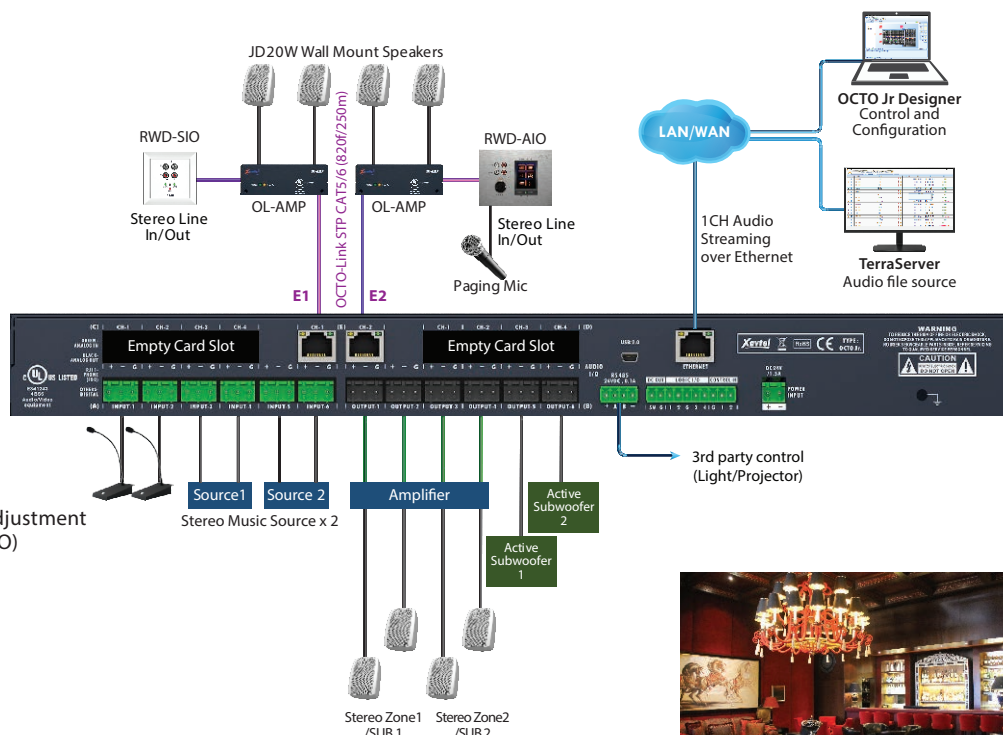
- OCTO Jr 03 x 1
- OL-AMP x 2
- RWD-AIO x 1
- RWD-SIO x 1
- JD20W x 8

Additional

- Amplifier (60W x 4CH) x 1
- Mics x 3
- Active subwoofers x 2

Function

- Message player
- Event scheduler
- 1CH audio streaming
- Source selection, volume adjustment and stereo line I/O (RWD-AIO)



Office

Paging/BGM/Conference

OCTO JR-10

Equipment List

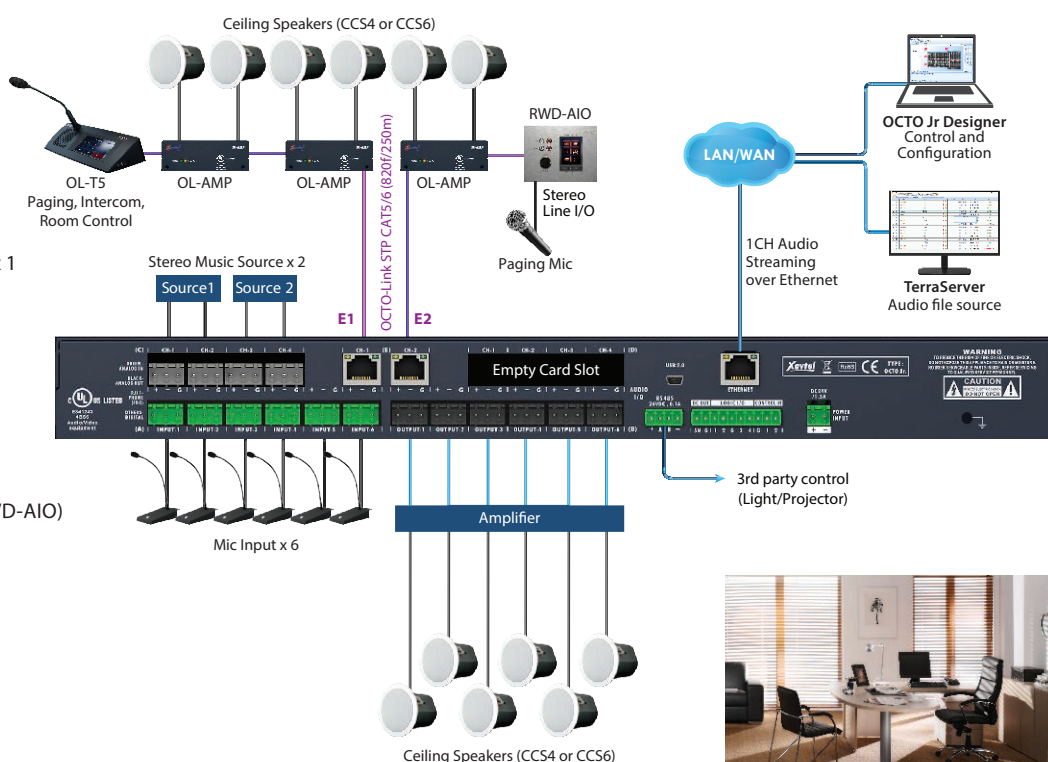
- OCTO Jr 10 x 1
- OL-AMP x 3
- OL-T5 x 1
- RWD-AIO x 1
- CCS4 or CCS6 x 12

Additional

- Amplifier (60W x 6CH) x 1
- Mics x 7

Function

- Message player
- Event scheduler
- 1CH audio streaming
- Source selection, volume adjustment and stereo line I/O (RWD-AIO)



Huddle Room

RAPIDO™
AEC

OCTO JR-05

Equipment List

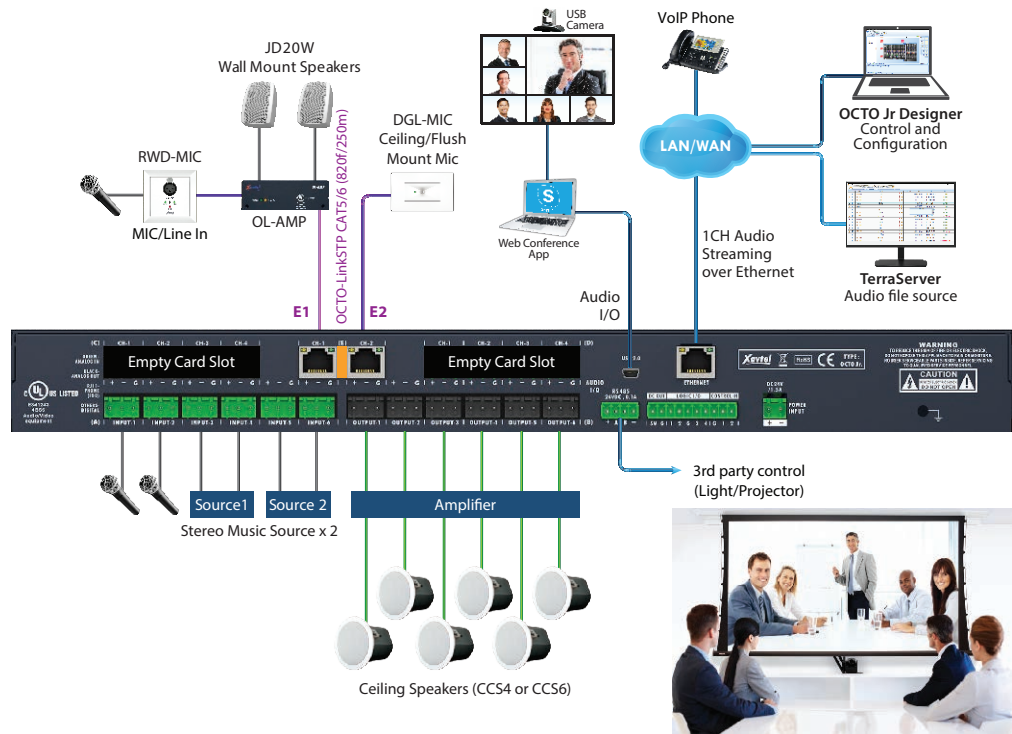
- OCTO Jr 05 x 1
- OL-AMP x 1
- RWD-MIC x 1
- DGL-MIC x 1
- JD20W x 2
- CCS4 or CCS6 x 6

Additional

- USB camera x 1
- Mics x 3
- Amplifier (60W x 6CH) x 1

Function

- AEC/Web & distance conferencing
- USB audio I/O
- Message player
- Event scheduler
- 1CH audio streaming
- Mic/line input (RWD-MIC)
- Ceiling mount microphone (DGL-MIC)



Conference/Presentation Room

OCTO JR-02

Equipment List

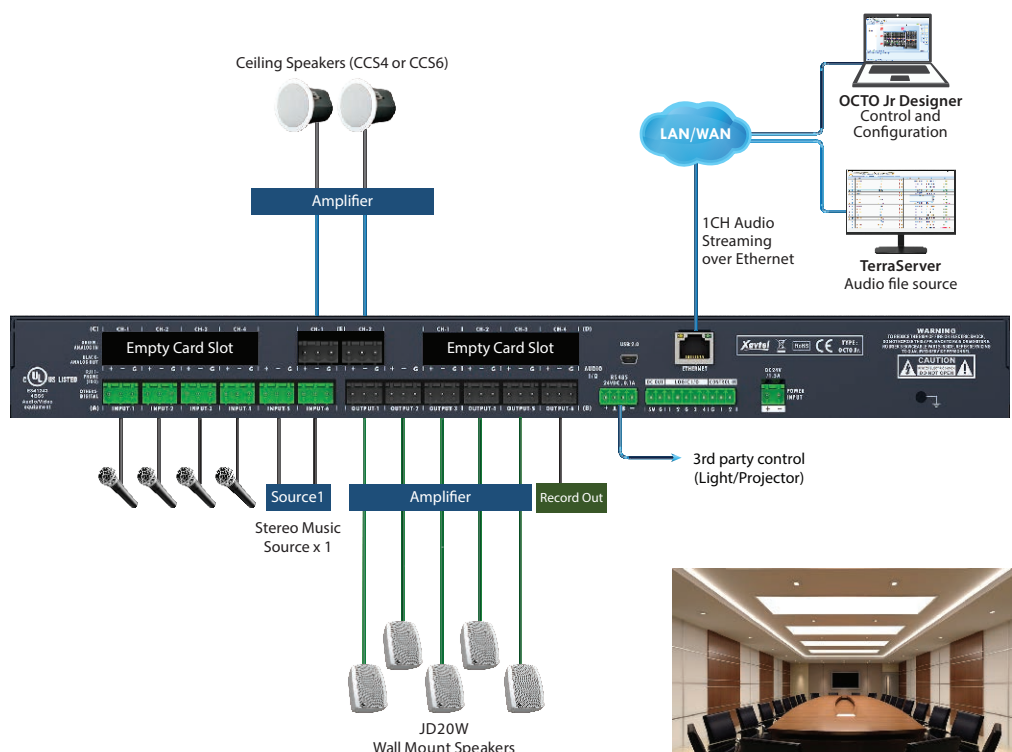
- OCTO Jr 02 x 1
- JD20W x 5
- CCS4 or CCS6 x 2

Additional

- Amplifier (60W x 5CH) x 1
- Mics x 4
- Active subwoofer x 1

Function

- Message player
- Event scheduler
- 1CH audio streaming
- Stereo music source



Classroom



**RAPIDO™
AEC**

OCTO JR-24

Equipment List

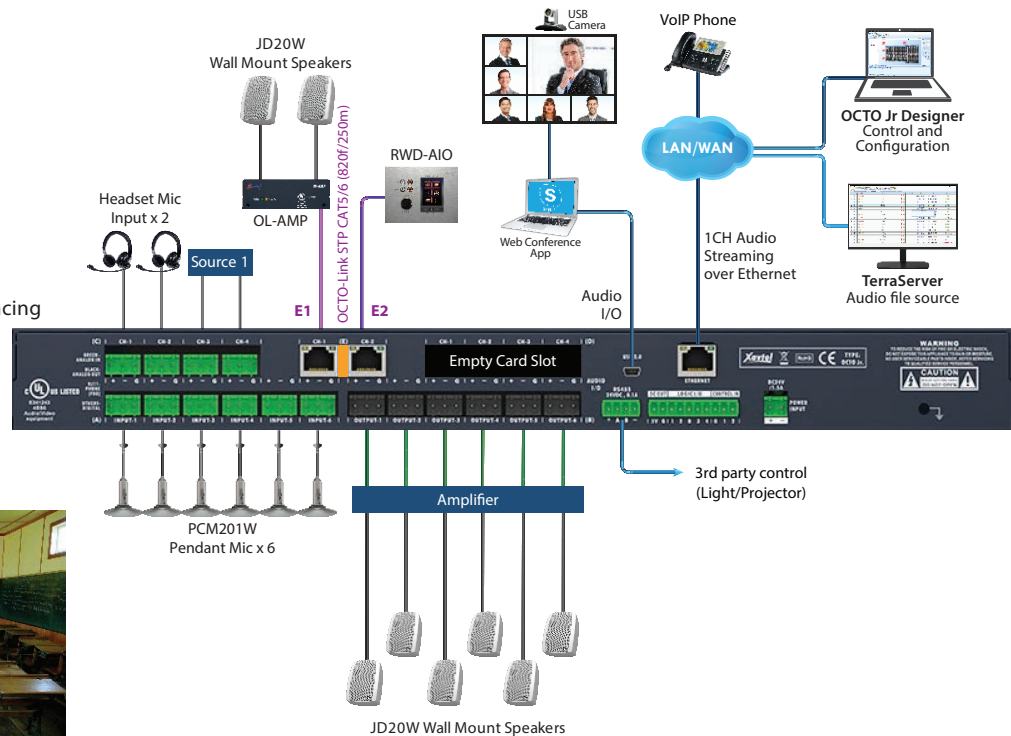
- OCTO Jr 24 x 1
- OL-AMP x 1
- RWD-AIO x 1
- JD20W x 8
- PCM201W mic x 6

Additional

- USB camera x 1
- Wireless headset mics x 2
- Amplifier (60W x 6CH) x 1

Function

- AEC web & distance conferencing
- USB audio I/O
- Message player
- Event scheduler
- 1CH audio streaming



House of Worship/Church

AEC/AV-Streaming



OCTO JR-05

Equipment List

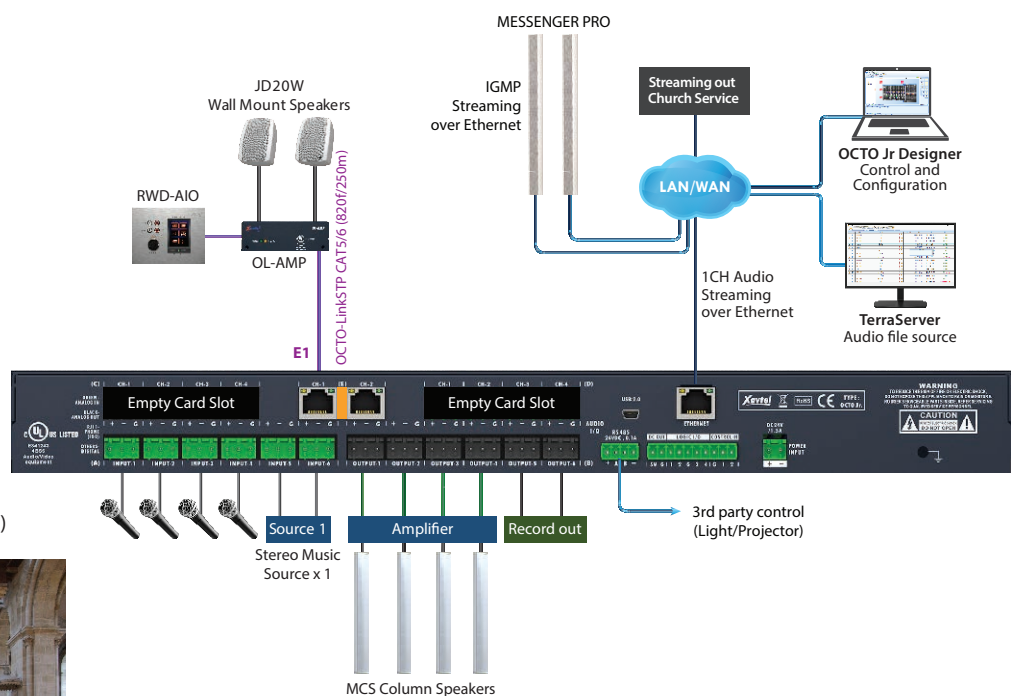
- OCTO Jr 05 x 1
- OL-AMP x 1
- RWD-AIO x 1
- JD20W x 2
- MCS x 4
- MESSENGER PRO x 2

Additional

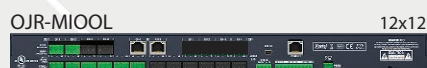
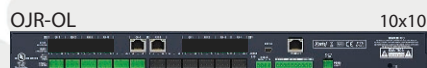
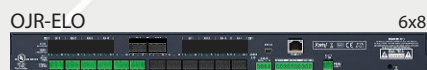
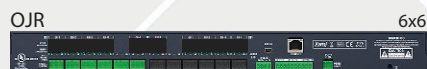
- Amplifier (60W x 4CH) x 1
- USB camera x 1
- Mic x 4

Function

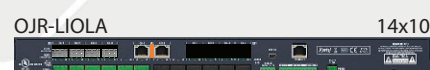
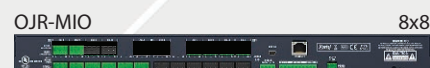
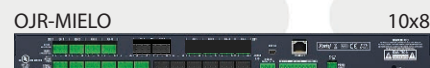
- Message player
- Event scheduler
- 1CH In/Out streaming
- Source selection, volume adjustment and stereo line I/O (RWD-AIO)



OCTO Jr Model ID



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