

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



**Xavtel**<sup>®</sup>

# **OCTO Jr**<sup>™</sup>

Digital Audio DSP Processor  
&  
Smart Multi-Room Sound System



# 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

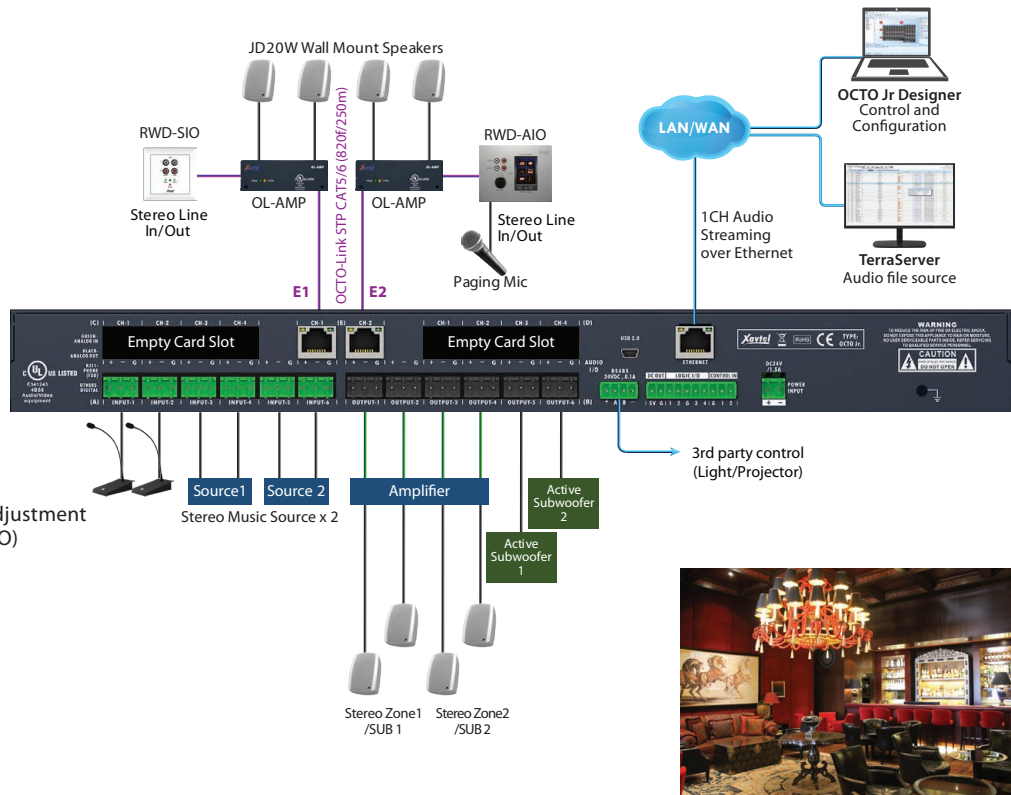
- OCTO Jr 03 x 1
- OL-AMP x 2
- RWD-AIO x 1
- RWD-SIO x 1
- JD20W x 8

#### 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

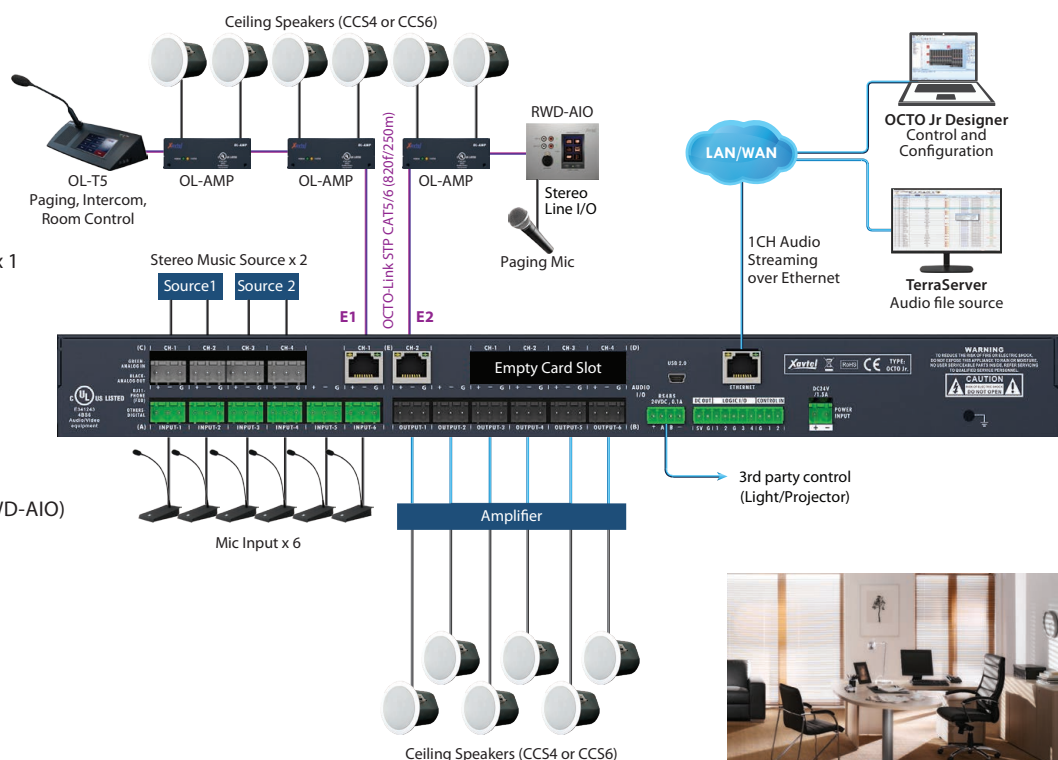
- OCTO Jr 10 x 1
- OL-AMP x 3
- OL-T5 x 1
- RWD-AIO x 1
- CCS4 or CCS6 x 12

#### 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



OCTO JR-05

### Equipment List

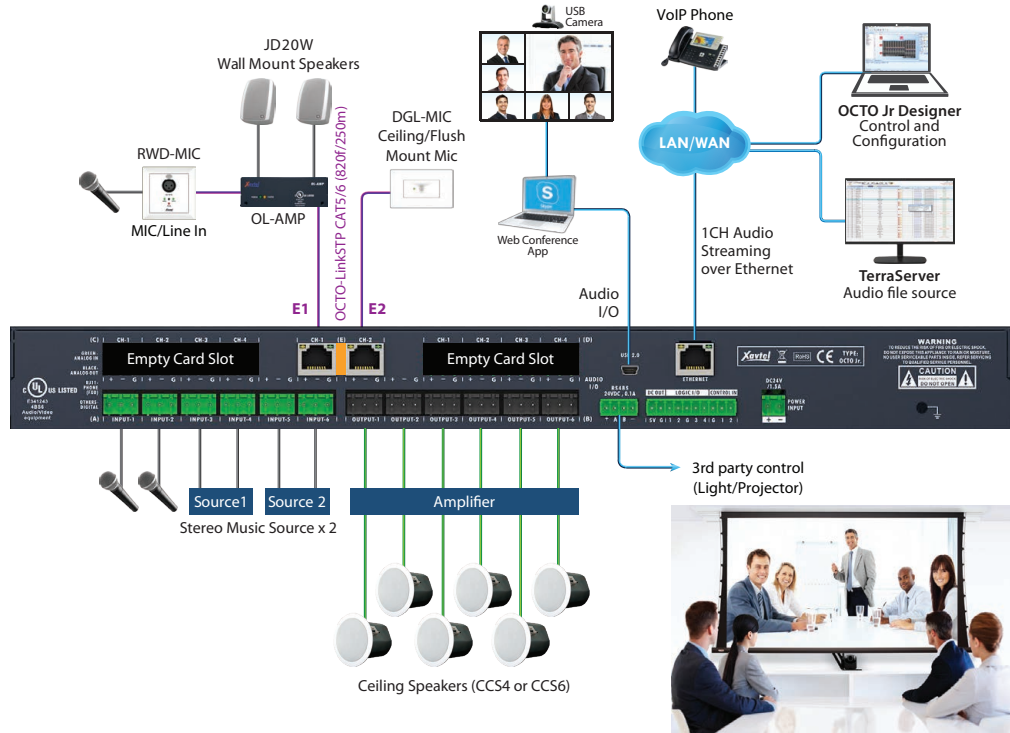
- OCTO Jr 05 x 1
- OL-AMP x 1
- RWD-MIC x 1
- DGL-MIC x 1
- JD20W x 2
- CCS4 or CCS6 x 2

### 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

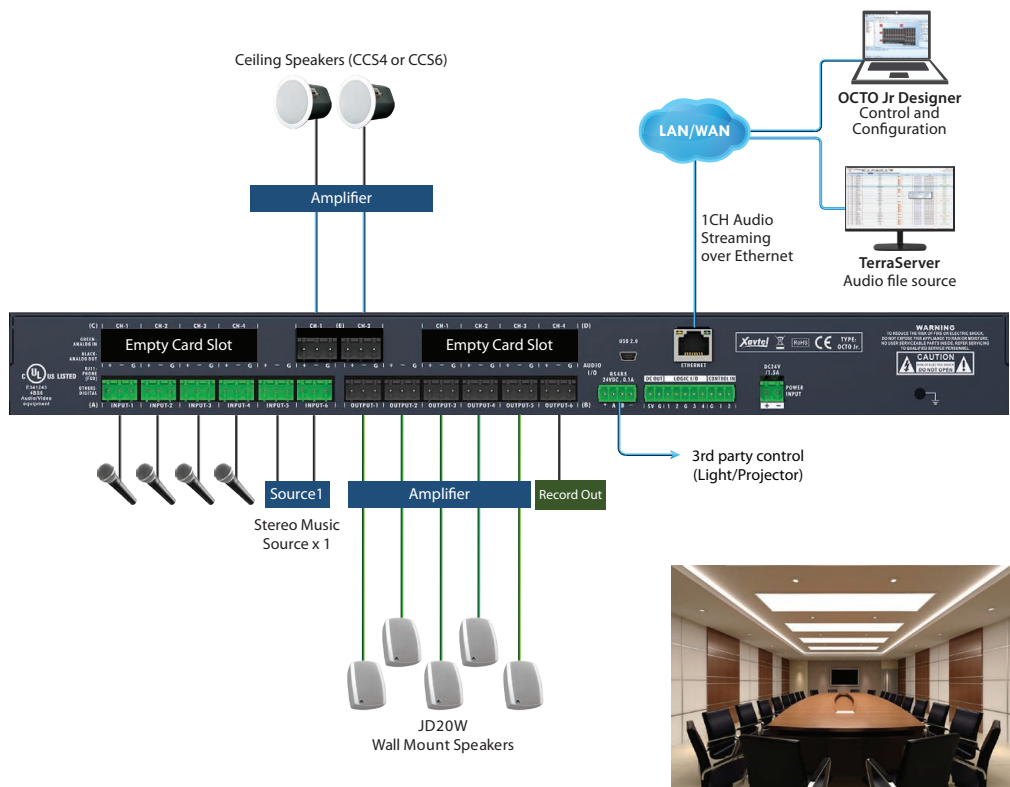
- OCTO Jr 02 x 1
- JD20W x 5
- CCS4 or CCS6 x 2

### 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



### OCTO JR-24

#### Equipment List

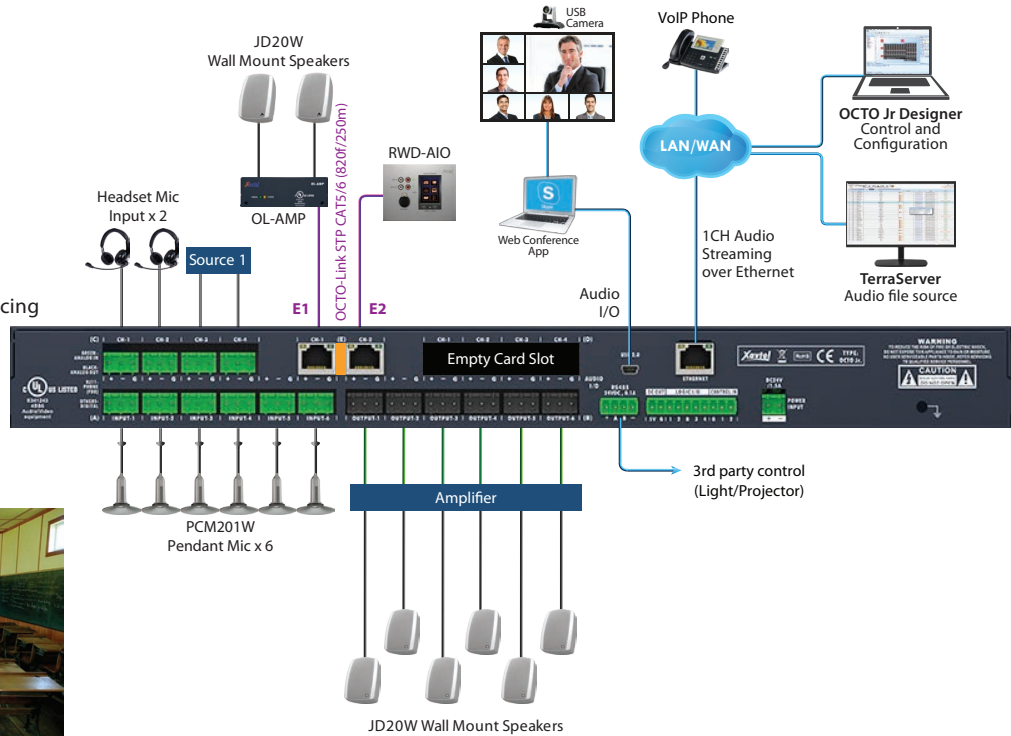
- OCTO Jr 24 x 1
- OL-AMP x 1
- RWD-AIO x 1
- JD20W x 8
- PCM201W mic x 6

#### 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

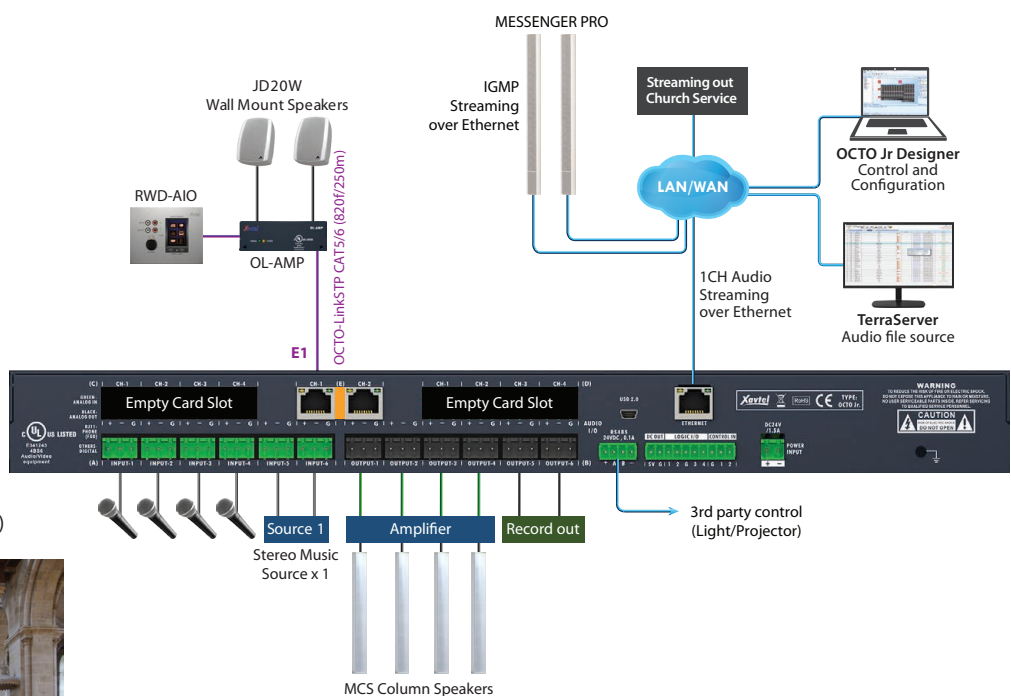
- OCTO Jr 05 x 1
- OL-AMP x 1
- RWD-AIO x 1
- JD20W x 2
- MCS x 4
- MESSENGER PRO x 2

#### 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



**ATEIS Europe B.V.**  
**EMEA**  
 Celsiusstraat 1 - 2652 XN Lansingerland  
 (Rotterdam Region), Netherlands  
 Tel: +31 (0)10 2088690  
 info@ateis-europe.com



**Penton Audio USA**  
**USA, Canada & Latin America**  
 21 Sabin Street Pawtucket, RI 02860, USA  
 Tel: +1 401-727-1600  
 Fax: +1 401-727-0003  
 info@penton-usa.com



**ATEIS France**  
 8, rue de l'Europe - ZA de Font Ratel,  
 38640 Claix, France  
 Tel: +33 (0)4 76992630  
 contact@ateis.com



**ATEIS China**  
 Room 610, No.255 Wubao Road, Minxing  
 district, Shanghai, China  
 Tel: +021-54495191/92  
 Fax: +021-54495193  
 sales@ateis.com.cn



**Penton UK Ltd.**  
**UK & Ireland**  
 Unit 2, Teville Industrials, Dominion Way, Worthing  
 West Sussex, BN14 8NW, United Kingdom  
 Tel: +44 (0)1903 215315  
 Fax: +44 (0)1903 215415  
 sales@pentonuk.co.uk



**Xavtel Communications RUS Ltd.**  
 Russian Federation, 115280, Moscow  
 Leninskaya Sloboda str., 26 bld. 28,  
 Business Center "Slobodskoy", oce#122  
 Tel/Fax: +7 495 803 3655  
 info@xavtel.ru.com



**ATEIS Far East Corp.**  
**Far-East Asia**  
 2F No.60, Xinghua 2nd Rd. Tanzi,  
 Taichung, Taiwan  
 Tel: +886 4 25333840  
 Fax: +886 4 25333830  
 sales@ateis-fareast.com



**ATEIS Suisse SA**  
 Avenue des Baumettes 9, 1020 Renens VD,  
 Switzerland  
 Tel: +41 (0)218812510  
 Fax: +41 (0)218812509  
 info@ateis.ch



**ATEIS Se Europe**  
**Serbia**  
 Sime Lukina Lazica 12-B, 11040 Belgrade  
 Serbia  
 Tel: +381 (0)11 40 89 617  
 info@ateisseurope.com



**ATEIS SE PTE. LTD.**  
**South-East Asia**  
 Blk 5002 Ang Mo Kio Ave 5, #03-01B TECHplace  
 II, Singapore 569871  
 Tel: +65 6481 1968  
 Fax: +65 6481 1960  
 info@ateis-se.com.sg