



# OCTO Jr™

DIGITAL AUDIO DSP PROCESSORS &  
MULTI-ROOM SOUND SYSTEM





**Xavtel specializes in the development and manufacturing of DSP audio processor and digital AEC conference system for the Pro AV markets. With 30 years of experience and a large engineering team, we develop products one step ahead of competition.**

Xavtel is constantly expanding its organization, portfolio and geographical presence to achieve "best in class" technology, delivery, and customer support.

At Xavtel innovation never stops. Our mission is to constantly develop innovative products that improve on what is currently in the market place and delight installer and end-user alike.

### **DEVELOPMENT**

Building on 30 years' experience in the development and manufacturing with dedicated electronics for the audio industry and with a development team of massive dedicated and highly experienced engineers, Xavtel operates state of the art R&D and manufacturing facilities in USA, Europe and Asia. We are able to respond rapidly to the demands of our various vertical markets with specific solutions, creative innovation and advanced technology. You can rest assured that our technology is always cutting-edge with a view to the future.

**Xavtel**<sup>®</sup>

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## APPLICATIONS

- Large office building
- Restaurant, bar
- Hotel, mall, shopping stores
- Stadium, museum, theme park
- Huddle rooms, conference rooms
- Education institution, classroom
- House of worship, church, mosque etc.

System Features

**OCTO Jr 04**

Stand-Alone Audio DSP Processor

**OCTO Jr 06**

Low-Z Digital Amplifier

**OL-AMP 08**

Wall-Mount Remote Devices

**RWD-AIO / RWD-MIC / RWD-PVC / RWD-SIO 09**

Flush/Ceiling Mount Microphone

**DGL-MIC 10**

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# OCTO Jr™

DIGITAL AUDIO DSP PROCESSOR & SMART MULTI-ROOM SOUND SYSTEM

## SYSTEM FEATURES



### DIRECT PARAMETER CONTROL VIA FRONT PANEL

- Various control functions like DSP parameters can be assigned to the control knobs.
- The minimum and maximum value can be customized.
- The action of rotary knob adjustment can be configured as linear, log, or anti-log.



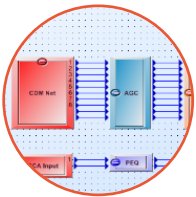
### PROPRIETARY DIGITAL OCTO-LINK CARD

- The digital OCTO-Link card can simultaneously transmit digital audio and control through 2 channel inputs and 2 channel outputs per port.
- Standard STP CAT5/6 connection up to 820 ft (250m).
- Connect to RWD remote devices, DGL-Mic microphone, OL-T5 paging console and OL-AMP amplifier.
- Connect the DLR01 digital loop repeater to extend the distance of OCTO-Link bus and provide additional 24VDC local power for OL-AMP and other remotes.



### VOIP AND SIP CLIENT FOR TELECONFERENCING

- OCTO Jr processor provides one VoIP channel.
- Support AEC web-conferencing using the OLA-Card, which includes DSP for AEC.



### EXCLUSIVE SOFTWARE SUITE

- Easy setup using various fixed I/O configuration on OCTO Jr Designer software.
- Enhanced DSP library and functionality such as AGC, A.N.G (Auto Noise Gain), PEQ, Feedback, Hi/Lo Pass, message player, scheduler, event management, In/Out streaming, SIP/VoIP, volume control, sound masking etc. via software.



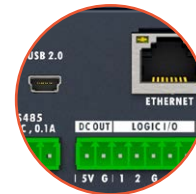


## SYSTEM FEATURES

Interface	Channel
RS485	1
Ethernet	1
Logic I/O	4
Control Input	2
USB Audio I/O	1
OCTO-Link (optional)	4CH input 4CH output

### REMOTE AND 3RD PARTY CONTROL

The OCTO Jr provides remote expansion by connecting to RWD wall-mount audio I/O devices, DGL-MIC ceiling-mount microphone, OL-T5 for paging, dialing and system control via digital OCTO-Link. The external devices can also be easily programmed and controlled via OCTO Jr Designer software. The chart shown on the left lists the available interfaces the OCTO Jr provides.

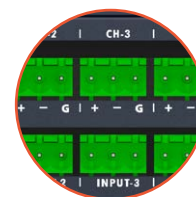


### Configurable I/O cards

- 4 CH Mic/Line Audio Input Card
  - 4 CH Line Audio Input Card
  - 4 CH Line Audio Output Card
  - 2 CH Mic/Line Input and 2 CH Line Audio Output Card
  - 2 CH Line Audio Output Card (E-slot only)
  - 4 CH In and 4 CH Out OCTO-Link Digital Audio I/O Card (E-slot only)
- \* OCTO Jr has 6 fixed Analog In and 6 fixed Analog Out

### CONFIGURABLE I/O CARD SLOTS

The OCTO Jr provides 3 configurable I/O card slots, and each of them can install the I/O cards as the chart shown on the left.



## OCTO Jr

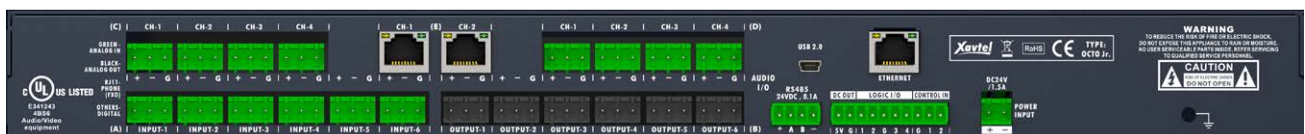
### STAND-ALONE AUDIO DSP PROCESSOR



- 18x10 I/O, 14x14 I/O and 10x18 I/O by using OCTO-Link on E-slot or 14x8 I/O, 10x14 I/O and 6x16 I/O by using 2CH analog audio output card on E-slot
- Third party control via RS485, Ethernet, 4 CH logic I/O and 2 CH control inputs
- 6 scalable knobs for direct DSP parameter control on the front panel
- USB 2.0 interface for music playing/message recording
- Mini-USB interface to connect to PC/Laptop for remote conferencing by Skype, QQ, WeChat, WhatsApp, etc.
- Optional 4CH input and 4CH output OCTO-Link card to connect to OL-AMP, RWD devices, OL-T5, etc. for paging and remote control
- One channel for VoIP
- Integrated AEC function with less tail time (needs OLA-Card)
- Standby mode for power saving
- Excellent sound quality (24 bits and 48 kHz sampling)
- Optional Sound Masking module - reduce the intelligibility of human speech for protecting private speech privacy

The OCTO Jr is a stand-alone DSP processor which comes with 6 fixed analog in and 6 fixed analog out, plus 3 configurable I/O slots, and E-card slot is for specialty I/O card which can be installed as either 4 channel digital OCTO-Link card or 2 channel analog audio output card. Therefore, the possible configuration of OCTO Jr includes 18x10 I/O, 14x14 I/O and 10x18 I/O by 4CH OCTO-Link, or 14x8 I/O, 10x14 I/O and 6x16 I/O by 2CH analog audio output. The OCTO-Link card provides two audio channel inputs and two channel audio outputs to simultaneously transmit bi-directional data communication in digital format; hence a wide variety of digital I/O expansion remote such as Xavtel's RWD devices, and OL-AMP Low-Z digital amplifier can be connected to the OCTO Jr through OCTO-Link for decentralized multi-room applications. The connection of OCTO-Link can be easily connected through STP CAT5/6/7 cable with metal shielded RJ45 connector in a max. distance length of 820 ft/250m.

The OCTO Jr also comes with a RS485 port and an Ethernet port for 3rd party control, plus 4CH logic I/O and the 2CH control inputs for further expansion. The OCTO Jr features 6 programmable knobs, allowing for direct control of any DSP function on the front panel. In addition, a USB port located on the front panel supports music and message playing, whilst a mini-USB port located on the rear panel can connect to PC/Laptop for AEC distance conferencing via Skype, WeChat, WhatsApp, etc. In order to adhere the 'easy to use' principle, the pre-defined and fixed configuration allows the system programming on OCTO Jr Designer software without any efforts!





# OCTO Jr™

## TECHNICAL SPECIFICATIONS

### FRONT PANEL

- IR receiver
- 12 fixed I/O LEDs
- 8 I/O LEDs
- 6 programmable front knobs
- USB 2.0 interface
- DIGILINK LED, Power LED, Ethernet LED
- Standby mode button (on/off)

### REAR PANEL

- 6 fixed analog input (A slot)
- 6 fixed analog output (B slot)
- 4 configurable I/O (C slot)
- 4 configurable I/O (D slot)
- 2 configurable specialty I/O (E slot)
- Mini-USB for remote conferencing or audio I/O
- RS485 for 3rd party control
- RJ45 connector for Ethernet
- 24VDC power connector
- DC output connector (5V)
- 4 channel logic I/O
- 2 channel control input

### AUDIO CHARACTERISTICS

- Frequency response: 20 ~ 20 kHz ( $\pm 0.25$  dB) @ 0 dBu
- THD+N: < 0.006 % @ 4 dB in, 0 dBu (1 kHz) gain
- EIN: < -125 dBra @ 60 dB gain
- Dynamic range: > 98 dBu
- Crosstalk: < -70 dB @ 54 dBu gain, -54 dBu in (1 kHz)
- CMRR: < -90 dBu @ 36 dB gain (1 kHz)
- A/D-D/A bit resolution: 24 Bit
- Sampling rate: 48 kHz
- Maximum output: 16 dBu
- Maximum input: 16 dBu
- Maximum gain: 66 dBu
- Input impedance (balanced): 8k ohm
- Output impedance (balanced): 77 ohm

### ELECTRICAL

- Power consumption: 36 watts (24 VDC, 1.5A)
- Phantom power: 48 VDC, 15 mA

### NETWORK

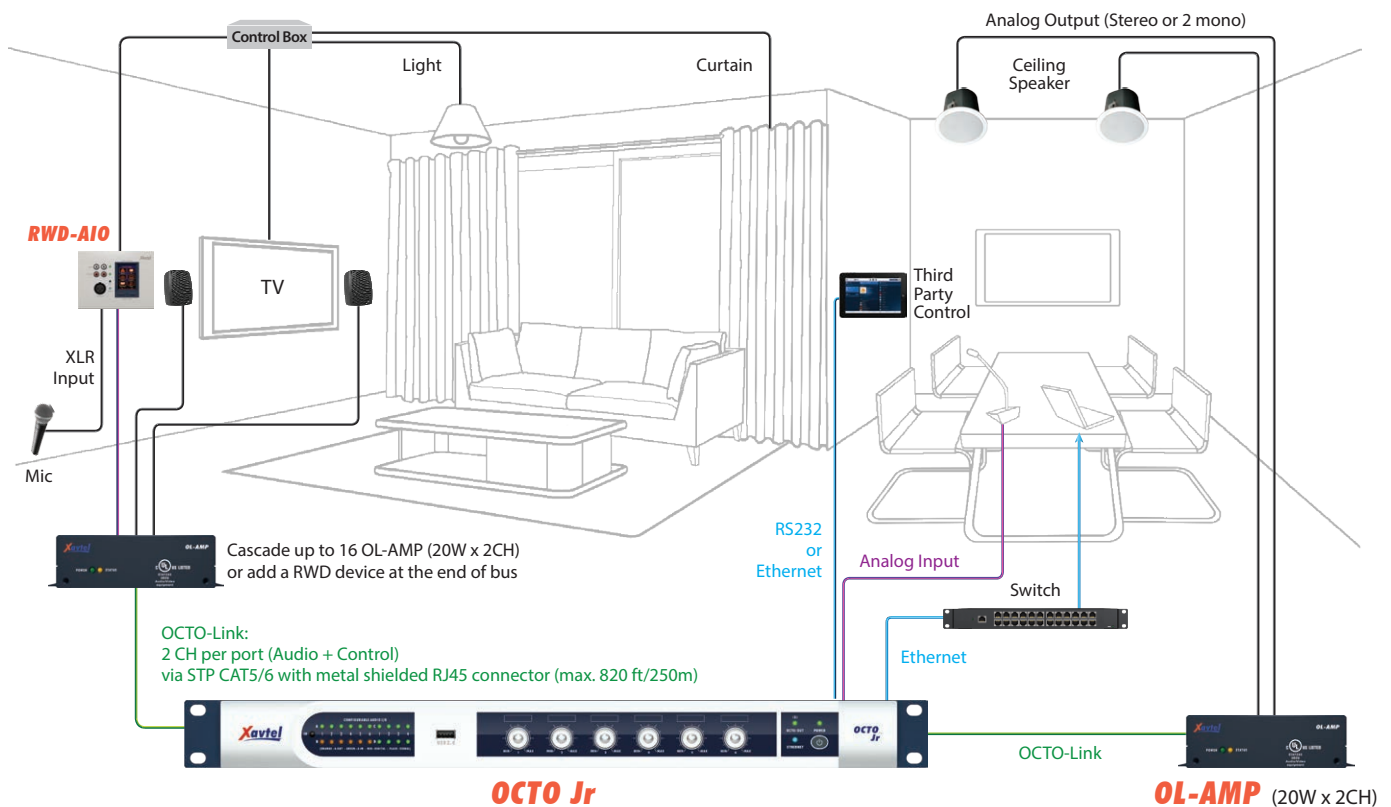
- STP CAT5/6 with metal shielded RJ45 connector (250 m/820 ft)
- Connect up to 2 RWD remote per OCTO Jr
- Cascade up to 16 OL-AMP or one RWD/DGL-MIC at the end of the bus

### MECHANICAL

- Dimensions (W x H x D): 17.2" x 1.73" x 8.7" (436 x 44 x 221 mm)
- Weight: 5.9 lbs (2.7 kg)
- Front panel: silver-painted plastic & PANTONE 432C
- Metal case: PANTONE 7546C

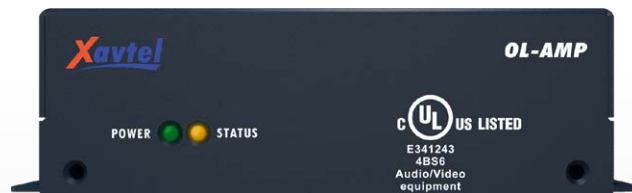
### CERTIFICATIONS

- CE marked, UL listed and RoHS compliant



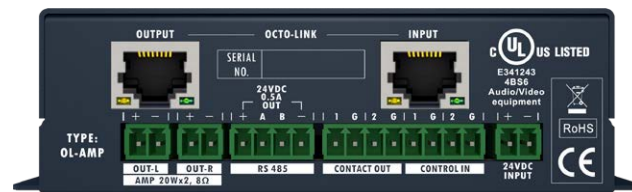
# OL-AMP

## LOW-Z DIGITAL AMPLIFIER



The OL-AMP is equipped with 2 amplifier output channels (max. 20W output power/each), 2 control input and 2 contact output for logic control, RS485 for external remote control, and 24VDC power input. To provide a new level of flexibility for OCTO Jr applications, the exclusive OCTO-Link is designed to connect to the OL-AMP and the RWD devices. Each OCTO-Link port provides 2 audio channel inputs and 2 audio channel outputs which simultaneously transmits bidirectional data communication in digital format.

The OL-AMP is capable to cascade up to 16 OL-AMP units and one RWD wall-mounted remote (at the end of the bus). The connection of OCTO-Link can be easily connected through STP CAT5/6/7 cable with metal shielded RJ45 connector in a max. distance length of 820 ft/250m. And if the power of OL-AMP units is not enough, the OL-AMP can connect to a 24VDC local power supply. The OL-AMP also has all necessary protection circuits to detect the issue of overload or overheat and protect the device against all potential hazards.



## TECHNICAL SPECIFICATIONS

### FRONT PANEL

- Power LED and Status LED

### REAR PANEL

- 2 amplifier output channels (20W x 2CH)
- 2 OCTO-Link connectors to connect to RWD/DGL-MIC or next OL-AMP
- RS485 for 3rd party control
- 2 CH control inputs and 2 CH contact outputs
- 24 VDC power input (50 watts)

### CONNECTION

- STP CAT5/6/7 with metal shielded RJ45 connector (250 m/820 ft)
- Cascade up to 16 OL-AMP or one RWD/DGL-MIC device at the end of bus

### ELECTRICAL

- DC power input: 24VDC
- Maximum charging current: 2.7A
- Power consumption
  - Full power: 20W
  - Normal continues: 15W
- Rated loaded capacitance: 680 nF

### AUDIO CHARACTERISTICS

- A/D-D/A bit resolution: 24 bits
- Sampling rate: 48 kHz
- Frequency response: 20 ~ 20 kHz ( $\pm 3$  dB)
- THD+N: < 0.1% @ 24 dBu gain, 0 dBu (1 kHz) in
- SNR: > 94 dBu
- Dynamic range: >108 dBu @ 24 dBu gain
- Crosstalk: < -50 dBu @ 24 dBu gain, 0 dBu in

### MECHANICAL

- Dimensions (W x H x D): 4.4" x 1.5" x 3" inch (112 x 37 x 76.2 mm)
- Weight: 1.1 lbs (0.5 kg)
- Color: PANTONE 7546C

### CERTIFICATIONS

- CE marked and RoHS compliant





# OCTO Jr™

RWD devices are designed as the wall-mount remote devices and offer simple connection by using STP CAT5/6/7 cable with metal shielded RJ45 connector in a maximum distance of 820 ft/250m through OCTO-Link. Additionally, the distance can be extended via DLR01 digital loop repeater. Each OCTO-Link port provides 2 channel audio inputs and 2 channel audio outputs which simultaneously transmits bidirectional data communication in digital format.

To adapt to various kinds of application, the RWD devices comes with several kinds of interface for Europe and US region. In addition, the RWD devices has a IR receiver built-in for the user to control the unit without standing in front of the machine. All of these devices can be integrated into our life and create a truly smart homes/offices.



## RWD-AIO

### WALL MOUNT TOUCH SCREEN CONTROLLER

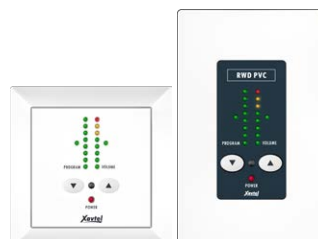
The RWD-AIO is a wall-mount remote controller with 2.2" touch screen, plus a RCA input/output connector and a XLR connector for mic input. The intuitive touch panel allows for various function controls such as parameter control, logic control, volume control, message play, dynamic GUI status display, VoIP call etc..

#### RWD-MIC MIC/LINE IN DEVICE



EU / US Type

#### RWD-PVC VOLUME CONTROL & SOURCE SELECTOR



EU / US Type

#### RWD-SIO STEREO IN/OUT DEVICE



EU / US Type

## TECHNICAL SPECIFICATIONS

### FRONT PANEL (RWD-AIO)

- RCA stereo line input and line output
- 3-pin XLR mic input (include 24V phantom power)
- 2.2" LCD touch panel
- 2 button (home page/down page)
- 1 sensor to automatically adjust the screen brightness
- 1 power communication LED
- Line in LED, Line out LED, Mic in LED
- IR receiver

### REAR PANEL

- 24VDC power input (5 watts, RWD-AIO)
- RJ45 connector for OCTO-Link
- RS485 for 3rd party control (RWD-AIO)
- Euro-block output (RWD-AIO)

### NETWORK

- STP CAT5/6 with metal shielded RJ45 connector (250 m/820 ft)
- Connect up to 2 RWD per OCTO Jr

### AUDIO CHARACTERISTICS

- Frequency response: 20 ~ 20 kHz ( $\pm 1$  dBu)
- THD+N: < 0.015 % @ 12 dBra gain, -6 dBu (1 kHz) in
- A/D-D/A bit resolution: 24 Bit
- Sampling rate: 48 kHz
- EIN (XLR): < -120 dBra @ 42 dB gain
- EIN (RCA): < -80 dBra @ 0 dB gain
- Dynamic range: > 98 dBu @ 24 dBu gain
- Crosstalk: < -70 dB @ 0 dBu gain, 0 dBu in
- CMRR: -75 dBu @ 1 kHz
- Maximum output: 6 dBu
- Maximum input: -6 dBu
- Maximum gain: 60 dBu
- Input impedance (balanced): 5k ohm
- Input impedance (unbalanced): 12k ohm
- Input gain range (mic): 12 ~ 60 dBu (1dBu per step)
- Input gain range (line): -12 ~ 12 dBu (1dBu per step)
- Output impedance (unbalanced): 20 ohm

### ELECTRICAL

- RWD-AIO
- Power consumption: 4.11 watts
- Phantom power: 24 VDC (max. 15 mA)
- OCTO-Link port: 24 VDC @ 0.2A max.
- RWD-MIC: 1.3 watts (24 VAC, 1.5A)
- RWD-PVC: 2.7 watts
- RWD-SIO: 0.9 watts

### MECHANICAL

- Dimension (W x H x D)
- RWD-AIO: 5.3" x 1.5" x 3" (140 x 106 x 40 mm)
- RWD-MIC/PVC/SIO
- EU type: 3.3" x 3.3" x 1.8" (84 x 84 x 45 mm)
- US type: 2.8" x 4.4" x 1.8" (70 x 113 x 45 mm)
- Weight: 0.4 lbs (0.2 kg)

### CERTIFICATIONS

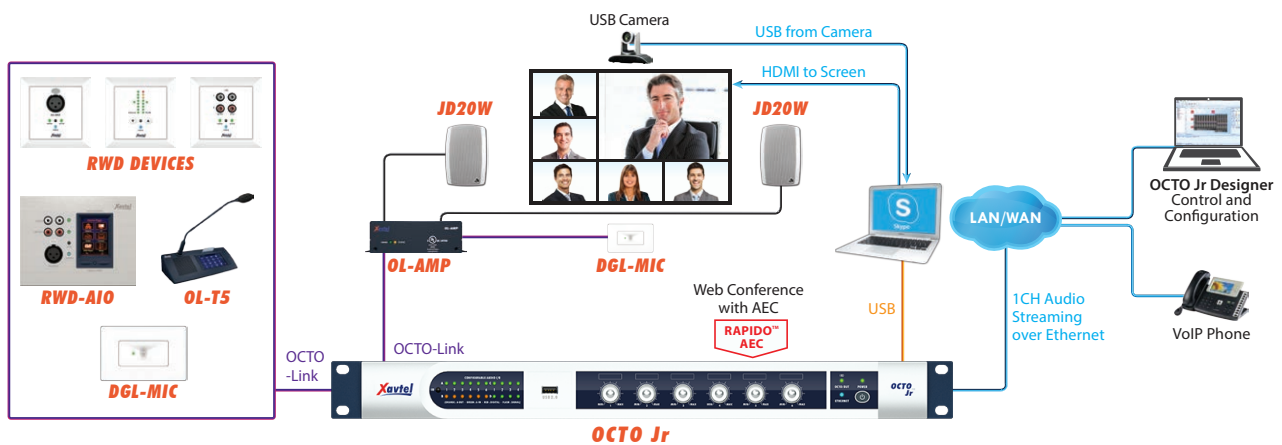
- CE marked and RoHS compliant



## DGL-MIC FLUSH/CEILING MOUNT MICROPHONE

A ceiling/flush mount microphone equipped with dynamic high sensitivity, omni-directional pick-up pattern, providing communication between the main office and the remote location is ensured to be not only full duplex, but crystal clear in even the most difficult environments.

### HUDDLE ROOM APPLICATION



The Skype Logos are trade marks of Skype and Xavtel is not affiliated, sponsored, authorized or otherwise associated by/with the Skype group of companies.

## TECHNICAL SPECIFICATIONS

### FRONT PANEL

- Power LED
- Built-in microphone

### REAR PANEL

- RJ45 connector for OCTO-Link

### Electrical

- DC power input: 21 VDC ~ 29 VDC
- Max. power consumption: 2.4W

### MICROPHONE

- Omni-directional condenser microphone
- Polar pattern: Cardioid
- Frequency response: 50 ~ 16 kHz ( $\pm 3$  dB) @ 0 dBu
- Sampling rate: 48 kHz
- Sensitivity: 5 dBA/Pa
- Maximum SPL: 128 dBA @ 3m

### NETWORK

- STP CAT5/6 with metal shielded RJ45 connector (250 m/820 ft)

### MECHANICAL

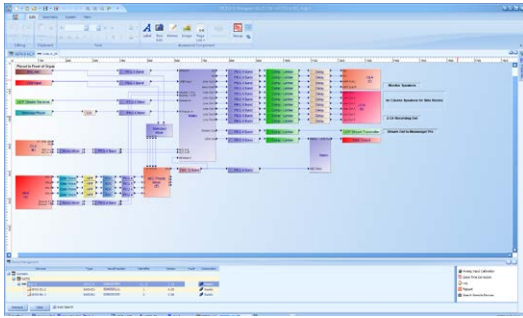
- Dimension (W x H x D): 110 x 70 x 52 mm (4.3 x 2.6 x 2 inch)
- Weight: 0.22 lbs (0.1 kg)
- Colour: RAL9016

### Heat Dissipation

- 8 BTU/hr

# EMBEDDED DIGITAL SIGNAL PROCESSING

To meet different applications requirement, the OCTO Jr is designed to have its exclusive software suite. The highly integrated DSP control, event management, scheduler etc. can be easily programmed via software.

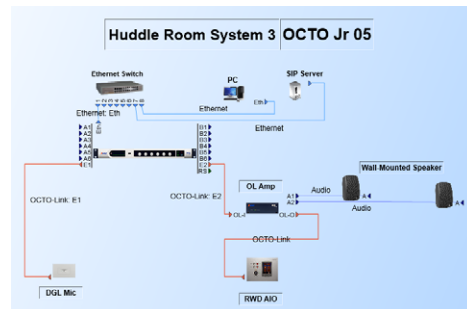
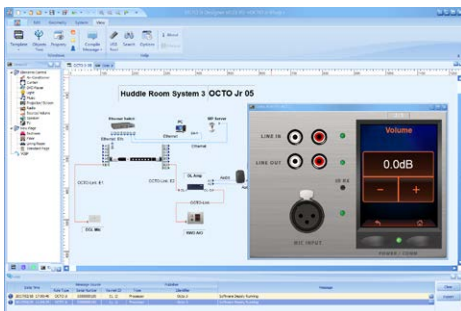


## OCTO JR DESIGNER

The OCTO Jr Designer software offers a variety of pre-defined I/O configurations for different kinds of applications, making the OCTO Jr easy to setup, program and control. It is able to manage multi-rooms and peripheral products such as OL-AMP, RWD devices, OL-T5 and DGL-MIC on PC/Laptop. The integrated special features include a message player, event, scheduler, In/Out streaming over IP, USB audio I/O, logic I/O control, 3rd party control, and VoIP/SIP client for AEC distance or web conferencing by using the OLA card (with RAPIDO™ AEC DSP) in OCTO Jr.

## FULL AUDIO DSP

- AGC, Ducker, Compressor PEQ, Feedback, Hi/Lo Pass, message player, mixer, limiter, level control, noise suppressor, delay, message player etc..
- Integrated AEC function with less tail length (OLA-Card is needed).
- Network Paging - route the input source signal to zones.
- Recorder - route the audio, and save the files in the internal memory of OCTO Jr or USB flash drive.
- UDP Stream Receiver/UDP Transmitter - send and receive the streaming audio such as Internet radio.
- VoIP Receiver/VoIP Transmitter - dial and receive the VoIP call. Support DTMF code (after the phone call has been received, press the number as codes on telephone for event trigger, network paging, etc..).



## MESSAGE PLAYER

The OCTO Jr offers a built-in message storage with up to 4 hours long capacity, the audio files can be stored into the OCTO Jr processor and activated in real-time. By using the Scheduler, the pre-recorded broadcasting can be played automatically such as refraining smoking at the building or alert the public not to leave their luggage unattended. The message file can also be activated by using logic inputs and 3rd party controls via UDP.

Name	Enabled	Begin	Time	End	Exception	Cycle	Type	Normal	Active (sec.)	Trigger
Chime every 15min	<input type="checkbox"/>	2017/1/25	15:18:25	1 time(s)		0 5 minutes(s) 1 time	Boolean	On	0	
Scheduler 1	<input checked="" type="checkbox"/>	2017/2/16	14:57:55	Forever		0 1 minutes(s) 1 time	Boolean	Off	3	

## SCHEDULER

Each Scheduler can be programmed with numerous schedules with hundreds of actions. By cascading multiple schedulers, any kinds of complex applications will be allowed.

**OCTO Jr****ORDERING INFORMATION**

Model ID	Model No.	Description of Model	Mic Line In	Line In	Line Out	Remote Enable	AEC Enable
OCTO Jr 01	OJR	Fixed 6I6O Stand-Alone Processor	6	0	6	-	-
OCTO Jr 02	OJR-ELO	Fixed 6I6O Plus 2Out Stand-Alone Processor	6	0	8	-	-
OCTO Jr 03	OJR-OL	Fixed 6I6O Plus 4I4O OCTOLINK Digital Audio Stand-Alone Processor	6	0	6	x	-
OCTO Jr 04	OJR-MIOOL	Fixed 6I6O Plus 2Mic In and 2Out and 4I4O OCTOLINK Digital Audio with AEC Stand-Alone Processor	8	0	8	x	-
OCTO Jr 05	OJR-OLA	Fixed 6I6O Plus 4I4O OCTOLINK Digital Audio with AEC Stand-Alone Processor	6	0	6	x	x
OCTO Jr 06	OJR-MIOL	Fixed 6I6O Plus 4Mic In and 4I4O OCTOLINK Digital Audio Stand-Alone Processor	10	0	6	x	-
OCTO Jr 07	OJR-2MIOL	Fixed 6I6O Plus 8Mic In and 4I4O OCTOLINK Digital Audio Stand-Alone Processor	14	0	6	x	-
OCTO Jr 08	OJR-MI	Fixed 6I6O Plus 4Mic In Stand-Alone Processor	10	0	6	-	-
OCTO Jr 09	OJR-MIMIO	Fixed 6I6O Plus 6Mic In and 2Out Stand-Alone Processor	12	0	8	-	-
OCTO Jr 10	OJR-LIOL	Fixed 6I6O Plus 4In and 4I4O OCTOLINK Digital Audio Stand-Alone Processor	6	4	6	x	-
OCTO Jr 11	OJR-2LIOL	Fixed 6I6O Plus 8In and 4I4O OCTOLINK Digital Audio Stand-Alone Processor	6	8	6	x	-
OCTO Jr 12	OJR-LOOL	Fixed 6I6O Plus 8In and 4I4O OCTOLINK Digital Audio Stand-Alone Processor	6	8	10	x	-
OCTO Jr 13	OJR-2LOOL	Fixed 6I6O Plus 8Out and 4I4O OCTOLINK Digital Audio Stand-Alone Processor	6	0	14	x	-
OCTO Jr 14	OJR-LI	Fixed 6I6O Plus 4In Stand-Alone Processor	6	4	6	-	-
OCTO Jr 15	OJR-2LI	Fixed 6I6O Plus 8In Stand-Alone Processor	6	8	6	-	-
OCTO Jr 16	OJR-LO	Fixed 6I6O Plus 4Out Stand-Alone Processor	6	0	10	-	-
OCTO Jr 17	OJR-2LO	Fixed 6I6O Plus 8Out Stand-Alone Processor	6	0	14	-	-
OCTO Jr 18	OJR-LOMIOOL	Fixed 6I6O Plus 2Mic In and 6Out and 4I4O OCTOLINK Digital Audio Stand-Alone Processor	8	0	12	x	-
OCTO Jr 19	OJR-MILO	Fixed 6I6O Plus 4Mic In and 4Out Stand-Alone Processor	10	0	10	-	-
OCTO Jr 20	OJR-MILOOL	Fixed 6I6O Plus 4Mic In and 4Out and 4I4O OCTOLINK Digital Audio Stand-Alone Processor	10	0	10	x	-
OCTO Jr 21	OJR-MIO	Fixed 6I6O Plus 2Mic In and 2Out Stand-Alone Processor	8	0	8	-	-
OCTO Jr 22	OJR-LIOLA	Fixed 6I6O Plus 4In and 4I4O OCTOLINK Digital Audio with AEC Stand-Alone Processor	6	4	6	x	x
OCTO Jr 23	OJR-MIMIOOLA	Fixed 6I6O Plus 6Mic In and 2Out and 4I4O OCTOLINK Digital Audio with AEC Stand-Alone Processor	12	0	8	x	x
OCTO Jr 24	OJR-MIOLA	Fixed 6I6O Plus 4Mic In and 4I4O OCTOLINK Digital Audio with AEC Stand-Alone Processor	10	0	6	x	x
OCTO Jr 25	OJR-2MIOLA	Fixed 6I6O Plus 8Mic In and 4I4O OCTOLINK Digital Audio with AEC Stand-Alone Processor	14	0	6	x	x
OCTO Jr 26	OJR-MIELO	Fixed 6I6O Plus 4Mic In and 2Out Stand-Alone Processor	10	0	8	-	-



## OCTO Jr Model ID



## Ordering Information

### OL-AMP/RWD/ACCESSORIES

Model No.	Description of Model
OL-AMP220	Low-Z Digital Amplifier/2CHx20W/RJ45
RWD-AIO	Wall Mount Touch Screen Controller
RWD-PVC-EU	Volume Control & Source Selector Remote/EU
RWD-PVC-US	Volume Control & Source Selector Remote/US
RWD-MIC-EU	Mic Line In Remote/EU
RWD-MIC-US	Mic Line In Remote/US
RWD-SIO-EU	Stereo In/Out Remote/EU
RWD-SIO-US	Stereo In/Out Remote/US
DGL-MIC	Flush/Ceiling Mount Microphone

### AUDIO CARDS

C/D Cards	
CDV-MI	4 CH Mic/Line Audio Input Card, vertical type
CDV-LI	4 CH Line Audio Input Card, vertical type
CDV-LO	4 CH Line Audio Output Card, vertical type
CDV-MIO	2 CH Mic/Line Input and 2 CH Line Audio Output Card, vertical type
E Cards	
CDOJR-ELO	2 CH Line Audio Output Card
CDOJR-OL	4 CH In and 4 CH Out OCTOLINK Digital Audio I/O Card
CDOJR-OLA	4 CH In and 4 CH Out OCTOLINK Digital Audio I/O Card with 2 CH AEC

### AUDIO CARD CABLES

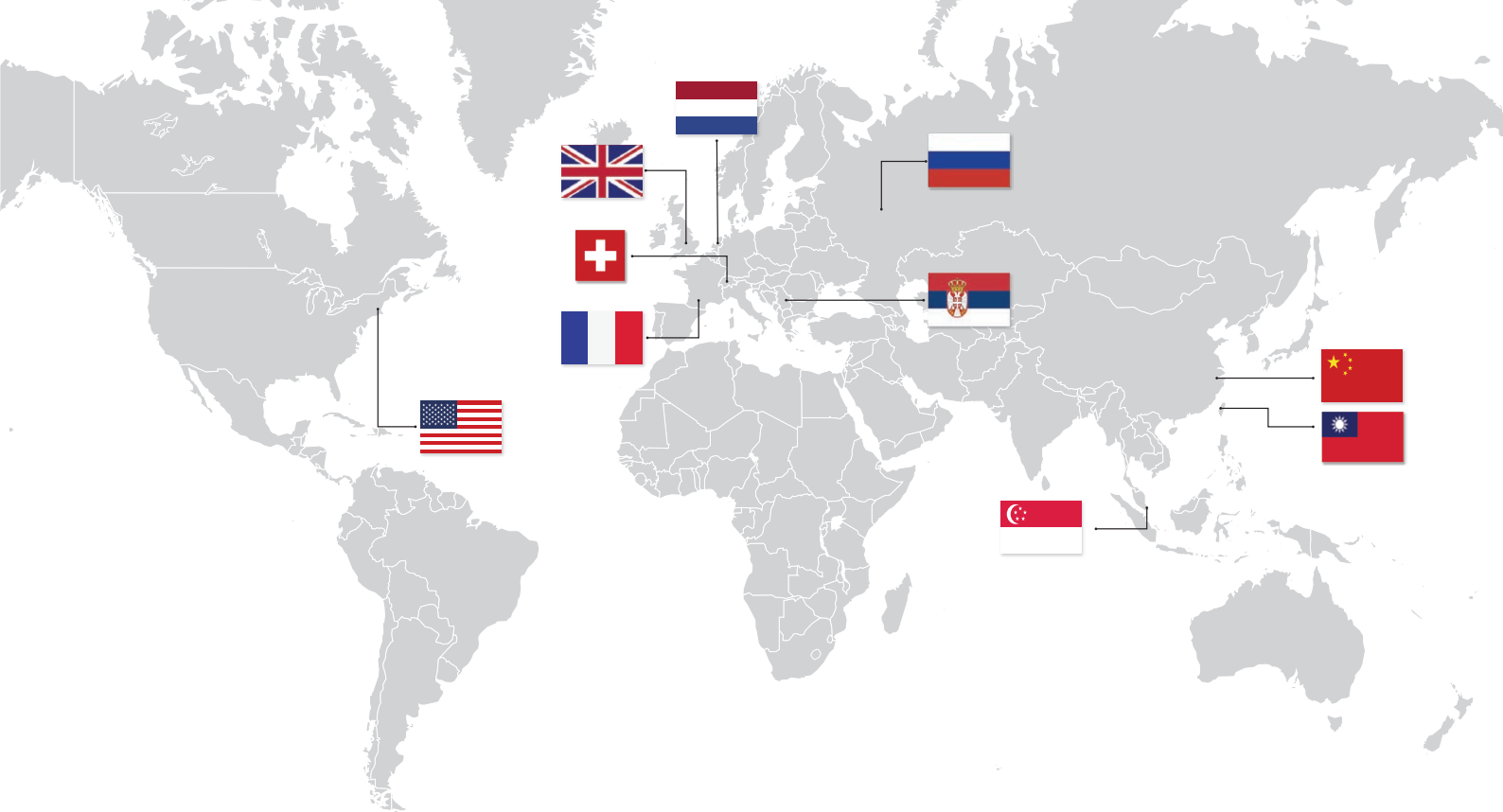
Model No.	Description of Model
OJR-5P370	OJR PWR cable-GPIO to C slot audio card,5P,37cm
OJR-8P95	OJR COMM cable-D to C slot audio card,8P,9.5cm
OJR-5P95	OJR PWR cable-D to C slot audio card,5P,9.5cm
OJR-8P230	OJR COMM cable-GPIO to C slot audio card,8P,23cm

#### ▶ Install two audio cards

When installs an optional audio card in OCTO Jr, it needs to be installed on "C slot" first, and requires to purchase the OJR-5P370 cable and OJR-8P230 cable.

#### ▶ Install two audio cards

When installs two optional audio cards in the C slot and D slot of OCTO Jr, it requires the OJR-5P370, OJR-8P95, OJR-5P95 and OJR-8P230 cable.



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