



## Juno™

Learning depends on listening and classrooms are inherently challenging environments for students to hear and for teachers to be heard. Improve your student's comprehension and learning outcomes with Juno.

This intelligent, all-in-one classroom audio solution has integrated Bluetooth® connectivity to provide rich audio amplification for both voice and media while being quick and easy to setup and use. **Juno also supports remote and hybrid learning environments by seamlessly integrating with popular video conferencing solutions like Zoom®, Google Meet®, GoToMeeting® and more to bring the classroom to remote students and remote students into the classroom.**

Juno Connect™ is a scalable solution that can meet the needs of both your classroom and campus. When used with FrontRow Conductor™, Juno Connect enables campus communication functionality like intercom, paging, bell schedules and alerting. During an emergency, educators can speak directly with administrators or activate panic buttons using their smart microphones.

### KEY FEATURES

- Three-speaker 2.1 stereo line array for 180° horizontal sound coverage
- Consistently rich sound with less volume drop-off over distance
- OptiVoice™ and Adapto™ optimize speech intelligibility while reducing feedback
- Voice-command control and automated lesson capture\*
- Easy to move, set up and break down

\*Requires FrontRow Teacher Edition™ Software

## Juno Tower

### SPECIFICATIONS

Transmission type	Infrared
Receiving frequencies	2.1MHz, 2.4MHz; (2.8MHz, 3.3MHz, 3.6MHz with Channel Expansion Module)
Frequency response	50Hz – 20kHz
Signal-to-noise	>70dB
THD	<1% @ 1kHz
Maximum audio output power	40W, peak power
Power supply	18VDC @ 3.3AMP
Size (wxhxd)	<b>Tower without base:</b> 19.7 x 68.6 x 16.5cm / 7.75 x 27 x 6.5in <b>Tower with base:</b> 35.6 x 71.8 x 26.7cm / 14 x 28.25 x 10.5in
Weight	<b>Tower without base:</b> 5.7kg/12.5lbs <b>Tower with base:</b> 6.4kg/14lbs
Operating range	30.5m/100ft, line of sight (typical)
Sound Coverage Area	83.6m / 900ft² (up to 148.6m²/1600ft² with speaker expansion)
IR Reception area	148.6m² / 1600ft² (typical)
Inputs	1 wireless Bluetooth 1 3.5mm audio (front) 3 RCA stereo audio in jacks 2 RCA jacks for external sensor connection
Outputs	3.5mm audio out jack

### JUNO CONNECT ADDS

LAN Interface	for Conductor
Serial Control	RS-232



# Teacher Microphone

## SPECIFICATIONS

Transmission type	Infrared
Transmitting frequency	2.1MHz, 2.3MHz, 2.4MHz, 2.8MHz, 3.3MHz, 3.6MHz programmable
Frequency response	70Hz – 8kHz
Microphone	Unidirectional cardioid
Battery life	7 hours (typical)
Battery type	Li-Ion, 3.7V, 850mAH
Operating range	30.4m/100ft, line of sight (typical)
Inputs	3.5mm aux input Micro USB for charging and programming
Size (wxhxd)	7.4 x 6.6 x 1.3cm / 2.9 x 2.6 x 0.5in
Weight	73.7g / 2.6oz (with battery and lanyard)



## USER CONTROLS

When Pendant Mic is in standby mode:

Press momentarily      Wake

When Pendant Mic is active:

Press momentarily      Mute/Un-mute

Press and hold      Issue Voice Command or trigger an alert or call the front office

## Accessories

# Student Microphone

## SPECIFICATIONS

Transmission type	Infrared
Transmitting frequency	2.1MHz, 2.3MHz, 2.4MHz, 2.8MHz, 3.3MHz, 3.6MHz programmable
Frequency response	70Hz – 8kHz
Microphone	Unidirectional cardioid
Battery life	7 hours (typical)
Battery type	Li-Ion, 3.7V, 850mAH
Operating range	21.3m / 70ft, line of sight (typical)
Input	3.5mm aux input Micro USB for charging and programming
Size (wxhxd)	3.8 x 14.7 x 2.2cm / 1.5 x 5.8 x 0.85in
Weight	70.8g / 2.5oz



## PUSH-TO-TALK SWITCH

Press and hold      Push-to-talk

Press and slide up      Power on

# Microphone Charger

## SPECIFICATIONS

Size (wxhxd)	8.9 x 4.6 x 11.4cm / 3.5 x 1.8 x 4.5in
Weight	226.7g / 8oz
Power supply	5.9V dc



# Channel Expansion Module

Expands participation by adding three additional microphone channels, so up to five microphones can be used with a single Juno.



## SPECIFICATIONS

Receiver Frequencies	2.8MHz, 3.3MHz, 3.6MHz
Signal-to-noise	>70dB
THD	<1% @ 1kHz

# Page Override Module

Ensures important announcements are heard in the classroom by automatically muting Juno.

## SPECIFICATIONS

P.A. Input	Captive screw terminal magnetic coupling
Sensitivity	70mVrms (minimum)
Delay	<500mSec to >5Sec



## INPUTS

Time Delay Control	
Sensitivity Control	
Captive Screw Terminal	
Inductive Coupler	

# Speaker Expansion Module

Expands speaker coverage by allowing the addition of two external speakers.

## SPECIFICATIONS

Frequency Response	50Hz – 20kHz
THD	<1%
Maximum audio output power	2x8W (8Ω), 2x16W (4Ω) peak power



## INPUT

Captive Screw Terminal	
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# Video Conference Cable Kit

Connects Juno inputs and outputs to integrate classroom voice and media audio with video conferencing platforms like Zoom, Google Meet, GoToMeeting and more. Only a single USB cable to the teacher's computer is required.

