

# Juno

## Too easy to sound so good

In the past, the best way to get even sound coverage in the classroom was to cut holes in the ceiling and install numerous speakers. That's no longer necessary, thanks to FRONTROW's **SONICSUFFUSION™ technology** built into JUNO. JUNO's engineers packaged three digitally-controlled drivers into a single unit that sets up in minutes — and yet evenly fills your classroom with the kind of exciting, multi-layered stereo sound you'd expect from a much larger installed system.



### How JUNO fills your room with sound

JUNO's SONICSUFFUSION™ technology is intelligent. First, its digital crossover network keeps the two mid-range drivers and the bass module in phase and reproducing your audio at peak efficiency. Then, we exploit the physics of constructive wave propagation to rescue the sound energy that conventional and flat-panel loudspeakers waste and redirect it forward and to the sides in a 180° horizontal layer. This arc of sound spreads more evenly across the room, reduces unwanted echo, and sounds up to 25% greater in volume over distance than conventional or flat-panel speakers.

### Built-in recording and more

JUNO is loaded with technologies that give you better results. Like amazing one-step, voice-activated recording and sharing of screen content. And digital feedback suppression that lets you put JUNO practically anywhere without the howling that plagues flat panels. It even includes the OPTIVOICE™ speech clarity enhancer.

### Bluetooth® technology

Bluetooth is an important addition to FrontRow's audio reinforcement technology because media audio is frequently part of instructional content and needs to be heard just as clearly as the teacher and student voices. Computer speakers aren't adequate for this purpose and, until now, connecting that media to a proper classroom sound system required that the source be close enough to the system to run a cable.

### As easy to try as it is to set up

Call or visit us online for a demo or a free 45-day evaluation, and hear for yourself why JUNO is the new standard in school audio.



## Key Benefits

- Three-speaker 2.1 stereo line array for 180° horizontal sound coverage
- Consistently-rich, feedback-resistant sound with less volume drop-off over distance
- Easy to move, set up and break down
- Bluetooth-enabled for easy wireless audio streaming from multiple devices

Front



Back



### 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 program  
**Power supply:** 18VDC @ 3.3AMP  
**Size (wxhxd):**  
**Tower without base:** 19.7 x 68.6 x 16.5cm/ 7.75 x 27 x 6.5in  
**Tower with base:** 35.6 x 71.8 x 26.7cm/ 14 x 28.25 x 10.5in  
**Weight:**  
**Tower without base:** 5.7kg/12.5lbs  
**Tower with base:** 6.4kg/14lbs  
**Operating range:** 30.4m/100ft, line of sight (typical)  
**Sound Coverage Area:** 274.3m<sup>2</sup>/900ft<sup>2</sup> (up to 487.6m<sup>2</sup>/1600ft<sup>2</sup> with speaker expansion)  
**IR Reception area:** 487.6m<sup>2</sup>/1600ft<sup>2</sup> (typical)

### USER CONTROLS

- Power
- Master volume
- Microphone volume (5)
- Auxiliary audio volume (4)
- Audio out volume
- Tower settings
- Bluetooth® audio streaming

### INPUTS/OUTPUTS

- Input power jack
- (2) RCA jacks for external sensor connection
- 3.5mm audio out jack
- (3) RCA stereo audio in jacks (with stereo sound output)
- (1) 3.5mm stereo audio in jack (with stereo sound output)
- (2) serial microphone charging/programming jacks
- (1) serial communications port
- (1) FrontRow Juno Bluetooth audio receiver (A2DP Stereo)

## ITM-02 Juno Pendant 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)  
**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

- wake/mute/voice command button
- channel select

### INPUTS/OUTPUTS

- 3.5mm aux input
- charge/programming jack

\*Competitor models report weight without lanyard

## ISM-02 Juno Pass-Around 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)  
**Size (wxhxd):** 3.8 x 14.7 x 2.2cm/1.5 x 5.8 x 0.85in  
**Weight:** 70.8g/2.5oz

### USER CONTROLS

- on/off
- push-to-talk
- channel select

### INPUTS/OUTPUTS

- 3.5mm aux input
- Charge/programming jack

## IMC-01 Juno Pendant and Pass-Around 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