Product Specifications

learning systems

Which system			
_	Juno 🤗	ToGo	Pro Digital
fits your needs?	0		
mo your moodo!	Capture &	Portable audio	Digital voice clarity
	share content more easily	anywhere	
	more easily		
			TO MILES
Flimmed Classes on a Right Contact			
Flipped Classrooms & Digital Content Automatic Lesson Capture & Sharing			/
Class2Class™ Distance Learning Support	v	V	v
0 11	v		
Adapto™ Digital Feedback Suppression	v		√
Voice Command	v		
AV Control & Two-way Communication			
Networkable			
Voice Activated Intercom			
Paging	<u>√*</u>		
Digital Page Override	*		
Bells/Alerts	*		
Network/Serial Device Control	✓ *		
Voice Activated AV Control	√ *		
Installation-Free & Portable Voice Amplification	,		
Indoor Use	√	√	✓
Outdoor Use (not weatherproof)	,	√	
Integrated Speaker Line Array	√	√	
Battery Power Option		<u>√</u>	
Installation-Free	<u>√</u>	√	
Carry-Case Available		✓	
Installed Amplification (Emphasizing Voice Clarity)			
OptiVoice™ Speech Clarification	√	√	√
PrioriTeach™ Teacher Voice Priority	√		
Integrated Infrared Sensor	√	N/A	\checkmark
Installed Amplification (Emphasizing Media Clarity)			
Audio Inputs	4	1	2
Speaker Expansion Module	√		
Audio Output (PFM/Podcasting)	1	1	1
Stereo Sound	✓		\checkmark
Features			
Number of Systems per School	Unlimited	16**	Unlimited
Energy savings	√		✓
Directly Compatible with	PFM devices	PFM devices	Mics used in Symbio;
	(rebroadcast)	(direct transmission,	PFM devices
		rebroadcast)	(rebroadcast)
One-touch Operation	√		<u> </u>
Touch-Screen Interface	<u> </u>	/	
Lead Free/RoHS Compliance	√	√	√
SmartCharge Fail Safe Battery System	N/A (Li-Ion)	<u>√</u>	<u>√</u>
Simultaneous Microphone Channels	5	2	2
Microphone Channel Choices	7	16	2
External Sensor Inputs	2	N/A	3
Optional Student Microphone	<u>√</u>	√	<u>√</u>
Transmission Technology	Infrared	FM	Infrared
Platform	Digital	Analog	Digital
Warranty	5 Years	5 Years	5 Years

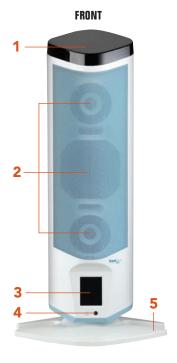
^{*}Available with Juno Connect

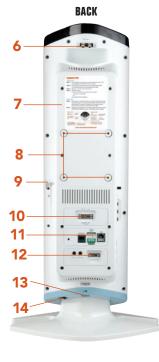
^{**}More systems possible with channel separation





ITR-01 JUNO TOWER RECEIVER







1 Integrated Sensor

Integrated high sensitivity infrared diode array.

2 Digital, 3 Speaker 2.1 Array

Two mid-range HF drivers and one woofer provide full, rich stereo sound.

3 LCD touch screen

Lockable full-color touch screen control.

4 Stereo Quick Connect

Easily and quickly connect an MP3 player or other audio device.

5 Table/desk Stand

Sturdy desk stand is easily removed for wall mounting.

6 Additional Sensor Ports

Two ports for additional sensors.

7 Channel Expansion Module Bay

Add the optional Channel Expansion Module to use up to five microphones with the Juno Tower.

8 100mm VESA Wall Mount Screw Taps

9 Transmitter/USB Cable Hook

Hang your transmitters while charging from the tower. When not charging, the USB cable hangs from the center of the hook.

10 Speaker Expansion Module Bay

Optional module for adding extra speakers for expanded audio coverage.

11 Juno Connect™ Module Bay

Optional module for adding software and voice control of AV devices plus, in conjunction with Conductor, two-way communication between classroom and front office.

12 Page Override Module Bay

The optional module mutes all audio whenever an announcement is made over the school's public address system.

13 Power Jack

14 Power Switch

15 Easy Grip Handle

Integrated ergonomic handle makes carrying or moving the Juno Tower easy.

16 Auxiliary Output

Output with volume control for capturing lectures or to connect personal FM systems.

17 Stereo Inputs for External Audio

Connect other classroom A/V equipment such as a DVD player, television or VCR.

18 Serial Port

Using the included USB cable, connect to a computer running the FrontRow Desktop software application for remote control of the Juno Tower.

19 Integrated Serial Hub

Two ports for charging or programming microphones.

Custom Naming

Name is displayed on the LCD touch screen for easy identification.

Feedback Suppression

The next-generation Adapto™ digital engine actively scans audio 375 times per second to suppress feedback squeal before it starts.

Optimized Speech Clarity

FrontRow's patented OptiVoice™ technology is designed to emphasize critical speech sounds, so kids comprehend even more.

Easy Lesson Capture

The Juno lesson capture system records screen and audio, then automatically titles and prepares the recordings for upload.

Class2Class

Supports distance learning by removing audio echo when using $\mathsf{Skype}^{\mathsf{m}}$ and other tools.

Voice Command

Control Juno and other devices, or control recording by speaking simple voice commands into the teacher microphone.

Teacher Priority

PrioriTeach™ gives priority to the teacher microphone by reducing the volume of all other devices and microphones when the teacher microphone is used.

Advanced Software Control

Volume, 12-band EQ, speaker balancing, and more are controllable via Teacher Edition Software while keeping the daily user interface neat and simple.























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: $19.7 \times 68.6 \times 16.5$ cm/ $7.75 \times 27 \times 6.5$ in

Tower with base: $35.6 \times 71.8 \times 26.7$ cm/ $14 \times 28.25 \times 10.5$ in

Weight:

Tower without base: 5.7kg/12.5lbs
Tower with base: 6.4kg/14lbs

Operating range: 18.3m/60ft, line of sight (typical) **Reception area:** 274m²/900f² (typical)

USER CONTROLS

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

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

ITR-01 ACCESSORIES







receiver power supply

AC power cord (for power supply)

USB cable



Teacher Edition Software (Windows or Mac OS)







1 Amazing Sound Quality

Superb pick up and audio quality thanks to a high-isolation microphone suspension, broad frequency response, and low-distortion direct digital synthesis.

2 Mute Indicator

OFF											Un	-muted
SOLID	RE	ΕD										Muted

3 Power Indicator

SOLID	GREEN	 Power Oı	n
OFF		 Standb	V

4 One-Touch Button

Controls all of the features of the Pendant Microphone. Use with voice command to activate the Juno lesson capture software and control your Juno Tower.

When the Pendant Microphone is in standby mode:

PRESS MOMENTARILY Awaken

When the Pendant Microphone is active: PRESS MOMENTARILY ... Mute / Un-mute PRESS AND HOLD... Issue Voice Command

5 Superior Comfort

Lightweight (just 73.7g/2.6oz) with soft backing that provides comfort and reduces friction noise from contact with clothing, buttons or jewelry. Ergonomic lanyard suspension points keep the mic stable and help keep it from swinging away from the body when leaning over to help a student.

6 Battery Indicator

In Use

OFF..... Battery Charged FLASHING RED....Battery Low

When Charging

SOLID RED......Charging SOLID GREEN.....Fully Charged

7 Lithium Ion Battery

3-year life expectancy, lightweight and rechargeable.

8 Charging/Programming Jack

For charging via USB cable or for configuring settings.

9 Portable Audio Interface

3.5mm audio input jack for wireless transmission from any secondary audio source such as a computer or MP3 player.

10 Charge Contacts

For use with the optional IMC-01 microphone charger.

Adjustable Power

Factory set to achieve complete coverage in a typical classroom with 7 hours of talk time. Increase talk time or expand coverage for very large rooms with a quick software adjustment.

Programmable Channels

Program the switch positions to 2 of 7 available channels.

Digital Naming

Assign custom names to microphones for easy identification on the Tower LCD and Desktop Software.

Data Transmission

Reports battery status to Desktop Software, visible from an interactive whiteboard.







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-lon, 3.7V, 850mAH

Operating range: 18.3m/60ft, line of sight (typical) Size (wxhxd): 7.4 x 6.6 x 1.3cm/2.9 x 2.6 x 0.5in Weight: 73.7q/2.6oz (with battery and lanyard)*

USER CONTROLS

- wake/mute/voice command button
- channel select

INPUTS/OUTPUTS

- 3.5mm aux input
- charge/programming jack

ITM-01 ACCESSORIES







Li-lon battery

audio cable

micro USB cable



Teacher Edition Software (Windows or Mac OS)

^{*}Competitor models report weight without lanyard





1 Amazing Sound Quality

Superb pick up and audio quality thanks to a high-isolation microphone suspension, broad frequency response, and low-distortion direct digital synthesis.

2 360° Emitter Diodes

Lets students hold the Pass-Around Microphone the way it's most comfortable for them without worry of dropout.

3 Power Indicator

SOLID GREEN	Power On
OFF	Power Off

4 Battery Indicator

In Use

OFF.....Battery Charged FLASHING REDBattery Low

When Charging

5 Small and Lightweight

At less than 15cm/6in tall and just 2.5 oz, the microphone is much easier for students to use.

LAVALIERE CLIP



6 Power/Push-to-talk Switch

PRESS AND HOLD Push-to-talk PRESS AND SLIDE UP Power On

7 Name Plate

For adding a name or room number for easy identification

8 Lithium Ion Battery

3-year life expectancy, lightweight and rechargeable.

9 Charging/Programming Jack

For charging via USB cable or for configuring settings.

10 Portable Audio Interface

3.5mm audio input jack for wireless transmission from any secondary audio source such as a computer or MP3 player.

11 Charge Contacts

For use with the optional IMC-01 microphone charger.

12 Comfortable Hands Free Option

Easy, comfortable lavaliere clip makes reading in front of class simple and lets the Pass-Around Microphone double as a lightweight teacher microphone.

Adjustable Power

Factory set to achieve complete coverage in a typical classroom with 7 hours of talk time. Increase talk time or expand coverage for very large rooms with a quick software adjustment.

Programmable Channels

Program the switch positions to 2 of 7 available channels.

Digital Naming

Assign custom names to microphones for easy identification on the Tower LCD or in the optional FrontRow Desktop Software.

C (UL)



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-lon, 3.7V, 850mAH

Operating range: 12.2m/40ft, 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

ISM-01 ACCESSORIES







Li-Ion battery

micro USB cable

lavaliere clip

Teacher Edition Software (Windows or Mac OS)

IMC-01 JUNO PENDANT AND PASS-AROUND MICROPHONE CHARGER





1 Charging pockets

Both charging pockets can be used to charge either the Juno Pendant Microphone or Pass-Around Microphone

2 Power jack





SPECIFICATIONS

Size (wxhxd): $8.9 \times 4.6 \times 11.4 \text{cm} / 3.5 \times 1.8 \times 4.5 \text{in}$

Weight: 226.7g/8oz Power supply: 5.9V dc

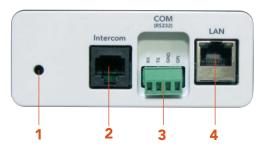
IMC-01 ACCESSORIES



power supply

EXPANSION MODULES

JUNO CONNECT™ COMMUNICATION MODULE



1 Onboard Microphone

Communicate with front office even without the Juno mic

2 Intercom Input (optional)

Connect the CB75 intercom panel ceiling mic for communication with front office when push-to-talk is required (can also be used with CB85)

3 Serial Control

Send RS232 commands to serial projectors and other AV devices via voice or Teacher Edition Software

4 Network Connection

Sends commands to IP addressable devices via voice or Teacher Edition Software. Connect to front office via Conductor software. Communicates over standard 10/100Mb/s networks (auto sensing) using either TCP/IP or UDP protocols.

- 5 Display Shows Active Page or Intercomm Call
- 6 Clearer, Easier Communication with Front Office

Use the Juno microphone to call the office; hear higher quality paging and intercom audio through the tower





SPECIFICATIONS

Network Support: 10/100 Mb/s (Auto Sensing)

Baud Rate: 2400 - 115,000 baud



CHANNEL EXPANSION MODULE



1 Three additional IR channels

Add up to 3 additional microphones (total of 5)





SPECIFICATIONS

Receive Frequencies: 2.8MHz, 3.3MHz, 3.6MHz

Signal-to-noise: >70dB THD: <1% @ 1kHz

PAGE OVERRIDE MODULE (FOR ANALOG PAGING SYSTEMS)



- 1 Time Delay Control
- 2 Sensitivity Control
- 3 Captive Screw Terminal
- 4 Inductive Coupler





SPECIFICATIONS

P.A. Input: Captive screw terminal magnetic coupling

Sensitivity: 70mVrms (minimum) **Delay:** <500mSec to >5Sec

SPEAKER EXPANSION MODULE



1 Captive Screw Terminal





SPECIFICATIONS

Frequency response: 50Hz - 20kHz

THD: <1%

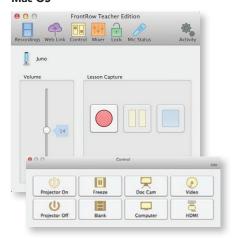
Maximum audio output power: $2 \times 8w$ (8 Ω), $2 \times 16w$ (4 Ω)

TEACHER EDITION SOFTWARE (OPTIONAL)

Windows



Mac OS



SPECIFICATIONS

Recording types: Screen and audio, screen only,

audio only

File format: mp4, m4a Recording length: Unlimited

SYSTEM REQUIREMENTS

Windows

- Windows XP SP3, Windows Vista, Windows 7, Windows 8
- 2GHz Processor or faster
- 1 GB of RAM
- 90 MB of hard disk space for the application (recordings will require additional hard disk space)

Mac OS

- Mac OSX 10.6 (Snow Leopard) or later
- 64-bit Processor (Core 2 Duo or later)
- 150 MB of hard disk space for the application (recordings will require additional hard disk space)

Lesson Capture

Teacher Edition Capture is the basic version of Teacher Edition. It makes lesson capture and sharing effortless so students are always prepared. Records screen and audio, then automatically titles the recording based on instructor's schedule and saves it to a predetermined location. Teacher Edition is available with any FrontRow classroom audio system including Juno, Pro Digital, and ezRoom.

AV Control

Teacher Edition Control is a plug-in for Teacher Edition for use with ezRoom or Juno Connect. Teacher Edition Control enables teachers to control projector, audio setup, and lesson capture within the same application. Program up to eight buttons to turn display on and off, change input sources and more.

Juno Control

When used with a Juno system, Teacher Edition also makes controlling Juno settings easy. Control volume and other audio settings right from the desktop.

FRONT



BACK



1 One-Touch operation

Teachers need only turn on the mic to start teaching. The receiver automatically wakes up from its energy-saving sleep mode and goes to sleep when the mic is turned off.

2 Talk without dropout

Built-in sensor with advanced optics ensure consistent signal pick-up

3 Feedback suppression

The Adapto light reassures you it is automatically suppressing feedback – before

4 Two channels for more dynamic teaching

Encourage student participation with a pass-around mic; or amplify two teachers at the same time

5 Easy audio control

Quickly and easily adjust the volume level of streaming audio and video content, CDs and MP3 files

6 Optimize speech clarity

OptiVoice, FrontRow's patented technology, is specially designed to emphasize critical speech sounds, so kids comprehend even more

7 Power jack

8 Easy recharging

Up to two transmitters can be charged directly from the receiver

9 External sensor ports

Get great signal pickup in almost any classroom with convenient ceilings or wall sensors

10 Simple speaker hook-up

Color-coded stereo push terminals make speaker connection quick and easy

11 Auxiliary output and volume control

Connect to computer to record all audio content for podcasting, or connect personal FM systems for the hearing impaired

12 Complete tech integration

Easily connect a computer or other technology to integrate true stereo audio into lessons

















SPECIFICATIONS

Transmission type: Infrared

Receiving frequency: 2.3MHz & 2.8MHz Frequency response: 50Hz to 20kHz Signal-to-noise: >65dB (system)

THD: <1% @ 1kHz into 8Ω

Maximum audio output power: $2 \times 10 \text{w} (8\Omega)$, $2 \times 20 \text{w} (4\Omega)$

Power supply: 19VDC at 3.16A

Size (wxhxd): $21.5 \times 4.75 \times 19 \text{cm} / 8.5 \times 1.75 \times 7.5 \text{in}$

Weight: .94kg/2.11lbs

Operating range: 18.5m/60ft line-of-sight (typical)

Reception area: 139m²/1500ft² (typical) with ceiling sensor

USER CONTROLS

- Power
- Microphone A volume
- Microphone B volume
- Two auxiliary audio volume
- OPTIVOICETM

INPUTS/OUTPUTS

- Input power jack
- 1.3mm mic charge jack
- 3 RCA jacks for external sensor connection
- 4 quick-connect speaker terminals
- RCA aux out jack
- 2 RCA stereo aux in jacks (with stereo sound output)

940R ACCESSORIES









receiver power supply

AC power cord (for power supply)

transmitter charge cord





Aux-in cord

receiver wall mount



Teacher Edition Software (Windows or Mac OS)

950H PASS-AROUND MICROPHONE AND DROP-IN CHARGER







950H MICROPHONE

1 Fits kids' small hands

Less than 15cm/6in tall, this durable kidsized mic is much easier for students to use

2 Comfortable hands-free option

Easy, comfortable lavaliere clip makes reading in front of class simple and lets the 950H double as a very lightweight teacher mic

- 3 3-way indicator light
- 4 On/off switch

5 Smart charge security

SMARTCHARGE technology protects against charging incompatible batteries. Alkaline batteries may be used in an emergency, but the microphone will only charge the "silversleeve", auto-sensing battery that comes with your microphone.

6 A/B channel and mic gain selectors (inside battery compartment)

- 7 Name plate
- 8 Optional charge input jack

9 Portable audio interface

A 3.5mm auxiliary input jack lets you use the transmitter/microphone to transmit audio from any secondary source, such as a TV, DVD, CD, computer, or MP3 player

950C CHARGER

10 Energy efficient drop-in charging

Charges both the 940TM and 950H microphones neatly and securely. Powered by an ENERGY STAR® qualified battery charger.

11 3-way charging indicator lights









SPECIFICATIONS

Transmission type: infrared

Transmitting frequency: 2.3MHz & 2.8MHz (switchable)

Battery type: single AA, 2300mAH rechargeable NiMH

Battery life: minimum 5 hours

Operating range: 12.2m/40ft, line of sight (typical) Size (wxhxd) (mic): $3.5 \times 14.6 \times 2.8 \text{ cm}/1.4 \times 5.7 \times 1.1 \text{ in}$

Weight (mic): 74g/2.6oz (with battery)

USER CONTROLS (MIC)

- On/off
- Channel A/B
- Mic gain 3 settings

INPUTS/OUTPUTS (MIC)

- 3.5mm aux input, stereo summing
- 1.3mm DC charge jack

950H ACCESSORIES







SMARTCHARGE NIMH rechargeable battery

charger power supply

lavaliere clip

940TM TRANSMITTER/MICROPHONE



1 Totally wireless

Combination transmitter/microphone design eliminates the need for any cords

2 Amazing sound quality

Patented dual-mic system ensures natural sound quality

3 Maximum comfort

Efficient single-cell battery design is 25-40% lighter than competitor models

4 A/B channel selector

Conveniently switch between microphone channels

5 Portable audio interface

A 3.5mm auxiliary input jack lets you use the transmitter/microphone to transmit audio from any secondary source, such as a TV, DVD, CD, computer, or MP3 player

6 Audio mute switch

A convenient mute switch allows for private conversations

7 Auxiliary microphone input

For teachers who prefer boom mics

8 smart charge security

SMARTCHARGE technology protects against charging incompatible batteries. Alkaline batteries may be used in an emergency, but the microphone will only charge the "silver-sleeve", auto-sensing battery that comes with your microphone.

9 4-way indicator light

10 On/off switch







SPECIFICATIONS

Transmission type: Infrared

Transmitting frequency: 2.3 MHz & 2.8 MHz (switchable)

Frequency response: 100Hz – 6kHz

Microphones: dual uni-directional cardioid

Battery life: minimum 8 hours

Battery type: single AA, 2300mAH rechargeable NiMH **Operating range:** 18.5m/60ft line-of-sight (typical) **Size (wxhxd):** $11 \times 6 \times 2.5$ cm/ $4.5 \times 2.5 \times 0.9$ in

Weight: 85g/3.0oz (with battery)

USER CONTROLS

• On/off

• mute

• channel A/B

INPUTS/OUTPUTS

- 2.5mm mic input
- 3.5mm aux input
- 1.3mm DC charge jack

940TM ACCESSORIES







boom r

SMARTCHARGE NIMH aux-in cable rechargeable battery

SPEAKERS

IR SPEAKER



- 1 Integrated sensor
- 2 Two 4" woofers, one 1" tweeter
- 3 Cut installation time in half

SENSOR SPECIFICATIONS

Operating frequency: 2.3MHz & 2.8MHz
Operating range: 18.5m/60ft line-of-sight (typical)

Signal/Power interface: RCA female jack
Number of IR photodiodes: 3
Power indicator LED: Green
Reception area: 139m²/1500ft²
(typical with receiver sensors)



SPEAKER SPECIFICATIONS

Speaker type: Two 10cm/4in woofers; 2.5cm/1in tweeter

Impedance: 4Ω nominal Continuous power: 20W Peak power: 30W

Frequency response: 150Hz to 20kHz

Dimensions (wxhxd): 355×130×230mm/14×5×9in

Weight: 3.4kg/7.5lbs

Mounting: Wall mounting brackets provided

Combo cable incorporates:

Speaker wire: 18 AWG 2 conductor UL listed CL3P Plenum-rated **Sensor wire:** 15.25m/50ft RG59/u coaxial cable CL3P shielded,

UL listed Plenum rated jacket available

DISTRIBUTED CEILING SPEAKER (REQUIRES SEPARATE SENSORS)



- Full range for faithful reproduction of voice and music
- Great sound coverage
- Separate back enclosure, designed for plenum spaces, prevents sound from traveling to other classrooms
- Mounts flush with ceiling for neat installation



SPECIFICATIONS

Average sensitivity: 86dB-SPL 1W/1M

Speaker type: coaxial: 10cm/6.5in woofer, 2.5cm/1in tweeter

Impedance: 8Ω nominal Continuous power: 30W Peak power: 45W

Frequency response: 60Hz to 20kHz

Dimensions (Dia x d): 21.7 x 7 cm / 8.5 x 2.75 in

Weight: 1.1kg/2.5lbs

Mounting: Metal tile bridge, steel back enclosure, built for

lenum spaces

Speaker wire: 18 AWG 2 conductor UL listed CL3P Plenum-rated

LAY-IN CEILING SPEAKER (REQUIRES SEPARATE SENSORS)



- Great sound coverage
- Cable clamp is included
- Mounts flush with ceiling for neat installation
- Rated for plenum spaces
- No assembly required



SPECIFICATIONS

Average sensitivity: 92dB-SPL 1W/1M **Speaker type:** 8in full range cone

Impedance: 8Ω nominal

 $\begin{tabular}{ll} \textbf{Loudspeaker power rating: } 12W-RMS EIA 426A Standard \\ \textbf{Calculated maximum system output: } 103dB-SPL, 12W/1M \\ \end{tabular}$

Magnet type: 4.8oz BeFe Ceramic

Size (WxHxD): $32.5 \times 9.7 \times 29.9$ cm/ $12.81 \times 3.81 \times 11.81$ in Frequency response: 65Hz - 17kHz EIA 426A standard

 $\textbf{Nominal coverage angle:} \ 100^{\circ} \ \text{included angle -6dB/2kHz half space}$

Audio connection: Pre-cut 17.8cm/7in

Mounting: Replaces existing ceiling tile, mounts in tile grid,

built for Plenum spaces

SENSORS (NOT NEEDED WITH IR SPEAKER)

CEILING SENSOR



- Easy-to-install bracket allows quick and easy installation
- LED power indicator lets you know when unit is connected properly
- 360 degree 'full-sweep' signal coverage helps prevent signal dropout



SPECIFICATIONS

Operating frequency: 2.3MHz & 2.8MHz Operating range: 18.5m/60ft line-of-sight (typical) Signal/Power interface: RCA-female jack, 8" lead

Number of IR photodiodes: 6
Power indicator LED: Green

Reception area: 139m²/1500ft² (typical with receiver sensors)

Dimensions (Dia x h): $13.5 \times 3.3 \text{ cm} / 5.1 \times 1.3 \text{ in}$

Weight: 224g/7.9oz (with bracket)

Mounting: Drop ceiling acoustic tile or sheetrock ceiling **Sensor wire:** 15.25m/50ft RG59/u coaxial cable CL2P double shielded, UL listed Plenum rated jacket available

WALL SENSOR



- Easy-to-install bracket allows proper angling for optimum room coverage
- LED power indicator lets you know when unit is connected properly
- Great for covering rooms with high ceilings, hanging student art, projector mounts, or other challenging obstructions
- Corner-compatible mounting bracket



SPECIFICATIONS

Operating frequency: 2.3MHz & 2.8MHz Operating range: 18.5m/60ft line-of-sight (typical) Signal/Power interface: RCA-female jack

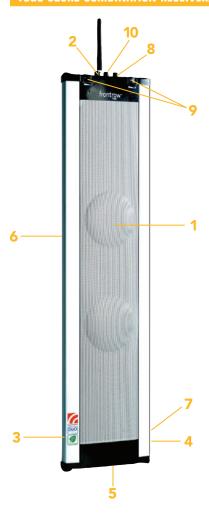
Number of IR photodiodes: 3
Power indicator LED: Green

Reception area: $139\text{m}^2/1500\text{ft}^2$ (with 2 wall sensors) **Dimensions (wxhxd):** $7.5 \times 3.9 \times 6.0$ cm $/2.9 \times 1.5 \times 2.4$ in

Weight: 80g/2.5oz

Mounting: Wall mount bracket provided

Sensor wire: Two 15.25m/50ft RG59/u coaxial cables CL2P double shielded, UL listed Plenum rated jacket available



single unit

The precision-mounted two-speaker line array reinforces and spreads more sound energy throughout the listening zone, making it able to cover an entire classroom.

The simple 3-position OptiVoice switch controls a sophisticated 12-band equalizer, pre-programmed to optimize speech clarity by emphasizing speech frequencies most critical to comprehension

- 3 Power cable socket
- 5 Table stand attachment
- 6 Integrated handle for transport
- 7 Optional built in battery for
- 9 Two channels for more dynamic teaching
- 10 Auxiliary output

1 Room-filling sound quality in a

2 Optimize speech clarity

- 4 On/off power switch

- outdoor amplification
- 8 Auxiliary audio input for computer, MP3 players

Channel/frequencies for U.S. and Canada

Channel#	Channel A	Channel#	Channel B
41	216.025 MHz	51	216.525 MHz
42	216.075 MHz	52	216.575 MHz
43	216.125 MHz	53	216.625 MHz
44	216.175 MHz	54	216.675 MHz
45	216.225 MHz	55	216.725 MHz
46	216.275 MHz	56	216.775 MHz
47	216.325 MHz	57	216.825 MHz
48	216.375 MHz	58	216.875 MHz

Channel/frequencies for e.g. Denmark, Norway, Sweden, Germany, Finland and Iceland

Channel#	Channel A	Channel#	Channel B
15	173.400 MHz	26	173.640 MHz
91	173.8125 MHz	94	173.8625 MHz
93	173.9625 MHz	92	173.9125 MHz
84	174.0750 MHz	87	174.275 MHz
77	174.175 MHz	90	174.5250 MHz
78	174.325 MHz	55	174.6000 MHz
89	174.425 MHz	63	174.8500 MHz
59	174.7000 MHz	67	175.0000 MHz









SPECIFICATIONS

Transmission type: FM (F3E)

Receiving frequency: 216.025 - 216.875 MHz Frequency response: 100Hz-9kHz (at rated output)

THD:<1% (at rated output) @ 1kHz

Signal-to-noise: >70db at rated output (system) Maximum audio output power: Maximum 36W RMS

Power supply: AC 110-200V ~50-60Hz, 1A max

Battery: NiMH rechargeable

Battery life: 6.5 hours (rechargeable)

Recharging time: 8 hours Input: 1 x aux-in, 3.5mm mono Output: 1 x aux-out, 3.5mm mono

Size (wxdxh): 183 x 85 x 750 mm / 7.2 x 3.4 x 29.5 in

Weight: 5.7kg / 12.5lbs.

USER CONTROLS

- Channel A/B on/off/volume
- Channel A/B channel selector
- aux-in volume
- aux-out volume
- OptiVoice
- main power

925RS ACCESSORIES



Power cord 300-7402-110



Antenna



Wall bracket kit 890-88-322-00



Rechargeable Batterv 374-88-010-00



Table stand 890-88-320-00



Cable kit 392-88-108-00



Carry bag 895-88-025-00



Teacher Edition Software (Windows or Mac OS)

Channel/frequencies for e.g. England, New Zealand, Australia and The Netherlands

Channel#	Channel A	Channel#	Channel B
13	173.350 MHz	30	173.750 MHz
15	173.400 MHz	32	173.800 MHz
17	173.450 MHz	34	173.850 MHz
21	173.500 MHz	35	173.900 MHz
24	173.550 MHz	36	173.950 MHz
25	173.600 MHz	37	174.000 MHz
27	173.650 MHz	38	174.050 MHz
29	173.700 MHz	40	174.100 MHz

TOGO 925C CHARGING STAND



- 1 Convenient drop-in charging
- 2 3-way indicator lights







SPECIFICATIONS

Power supply: AC adaptor (DC 12V / 0.5A) Recharging time: NiMH (1600mA), 6 hours Size (wxhxd): $230 \times 47 \times 135$ mm / $9 \times 1.9 \times 5.3$ in

Weight: 360g/12.7oz

TOGO 925T BODY-WORN TRANSMITTER





1 Your choice of mics

Connect wind-resistant boom or earhook mics or inconspicuous lapel mics

- 2 Easy to locate on/off/standby switch
- 3 2-way indicator light
- 4 Belt clip
- 5 Channel selector

925T ACCESSORIES



NiMH rechargeable battery AT0807



boom mic

nartCharge L





SPECIFICATIONS

Carrier frequency range: 216.025 - 216.875 MHz

Modulation: FM (F3E)

Operating range: > 34m / 110ft

RF output: <15mW

THD: < 0.5%

Dynamic range: 100dB

Size (wxhxd): $65 \times 90 \times 25 \text{ mm} / 2.5 \times 3.5 \times 1 \text{ in}$

Weight: 51g / 1.8oz

Controls: on/mute/off/channel selector **Input/output:** 2.5mm microphone input jack

Battery type: 2 AA NiMH rechargeable (1600mA) or

2 AA alkaline disposable

Battery life: NiMH rechargeable typically 12 hours,

disposable alkaline typically 15 hours

Recharging time: 6 hours

TOGO 925H HANDHELD MICROPHONE/TRANSMITTER



- 1 2-way indicator light
- 2 On/off switch
- 3 Channel selector

925H ACCESSORY



NiMH rechargeable battery AT0807







SPECIFICATIONS

 $\textbf{Carrier frequency range:}\ 216.025-216.875\ \mathsf{MHz}$

 $\textbf{Modulation:} \ \mathsf{FM} \ (\mathsf{F3E})$

Operating range: > 34m / 110ft

RF output: <15mW

THD: < 0.5%

Dynamic range: 100dB

Dimensions (dia x h): $54 \times 237 \text{mm} / 2.1 \times 9.3 \text{ in}$

Weight: 230g / 8.1 oz

Controls: on/mute/off/channel selector

Battery type: 2 AA NiMH rechargeable (1600mA) or

2 AA alkaline disposable

Battery life: 12 hours (rechargeable), 15 hours (alkaline)

Recharging time: 6 hours

LOCATIONS

Australia

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Australia

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web: www.oticon.co.nz

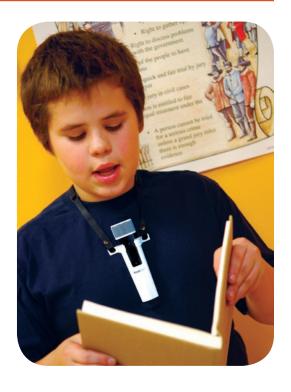
United Kingdom

PC Werth Limited (UK Distributor) Audiology House 45 Nightingale Lane London SW12 8SP tel: 020 8772 2700 web: www.soundfield.info

USA/Global

FrontRow Corporate Headquarters 1690 Corporate Circle Petaluma, CA 94954-6712 toll-free: 800.227.0735 tel: 707.769.1110 fax: 707.769.9624

web: www.gofrontrow.com



TECHNOLOGY FOR STUDENT ACHIEVEMENT



Lesson Capture. Using simple voice commands, Teacher Edition software records screen and audio then automatically title and prepare recordings for upload so students can review the video at night.



Class2Class. Using FrontRow with tools like Skype[™] and Adobe[®] Connect[™], you can easily set up a real-time audio/video connection between your class and any location - one that's clearly heard by everyone without echo.



PrioriTeach. PrioriTeach gives priority to the teacher microphone by reducing the volume of all other devices and microphones when the teacher microphone is used. Control how quickly and to what level the volume is reduced, how quickly the audio resumes, or turn the feature on and off.



VoiceChoice. Increase talk time or expand coverage for very large rooms with a quick software adjustment.



Voice Command

Voice Command. A teacher's voice is a powerful educational tool - now more than ever. The Juno digital sound system listens as attentively as students do, so teachers can control important functions simply by talking to it.



 $\textbf{OptiVoice}^{\text{\tiny{TM}}} \textbf{ clarity.} \textbf{ FrontRow's patented,}$ powerful tool for test-taking, directions, and ELL instruction. Fragile consonant sounds carry about 75% of the meaning in speech but are easily destroyed by background noise. OPTIVOICE strengthens these critical sounds, doing the work of a 12-band equalizer with a single switch



SonicSuffusion™ provides intelligent sound distribution. Juno has three digitally-controlled drivers in a single unit that evenly fills the room with the kind of exciting, multi-layered stereo sound you'd expect from a much larger installed system.

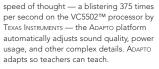


Fast, proper connection to Personal FM systems Audiologists can quickly and confidently

connect students' personal FM transmitters and maintain excellent transparency. Teacher and fellow-student voices plus media audio are delivered directly to the child's personal receiver.







Adapto Digital Platform. Faster than the



SmartCharge™ peace of mind. The greatest killer of electronics is accidental recharging of alkaline batteries. SMARTCHARGE technology only charges batteries that are safe to charge protecting your investment for years to come.



Save money (and maybe the planet). FrontRow products use significantly less energy - up to 63% less – than other systems. They're a smart choice for schools and the environment.



Earth-friendly design. FrontRow's design and manufacturing practices keep lead, mercury, PBDE and other toxins out of its products and out of the environment.









