



Juno Daily Use and Troubleshooting Guide

ITR-02 Tower Receiver

ITM-02 Pendant Microphone

ISM-02 Pass-Around Microphone

IMC-01 Microphone Charger

Juno can be a powerful teaching tool in any classroom. Numerous studies report tremendous benefits from the use of FrontRow audio systems, including doubled reading growth, greater student achievement, easier classroom management, and heightened teacher energy. The clarity of sound with FrontRow systems also makes it easier for students learning English to distinguish the different sounds of the language.

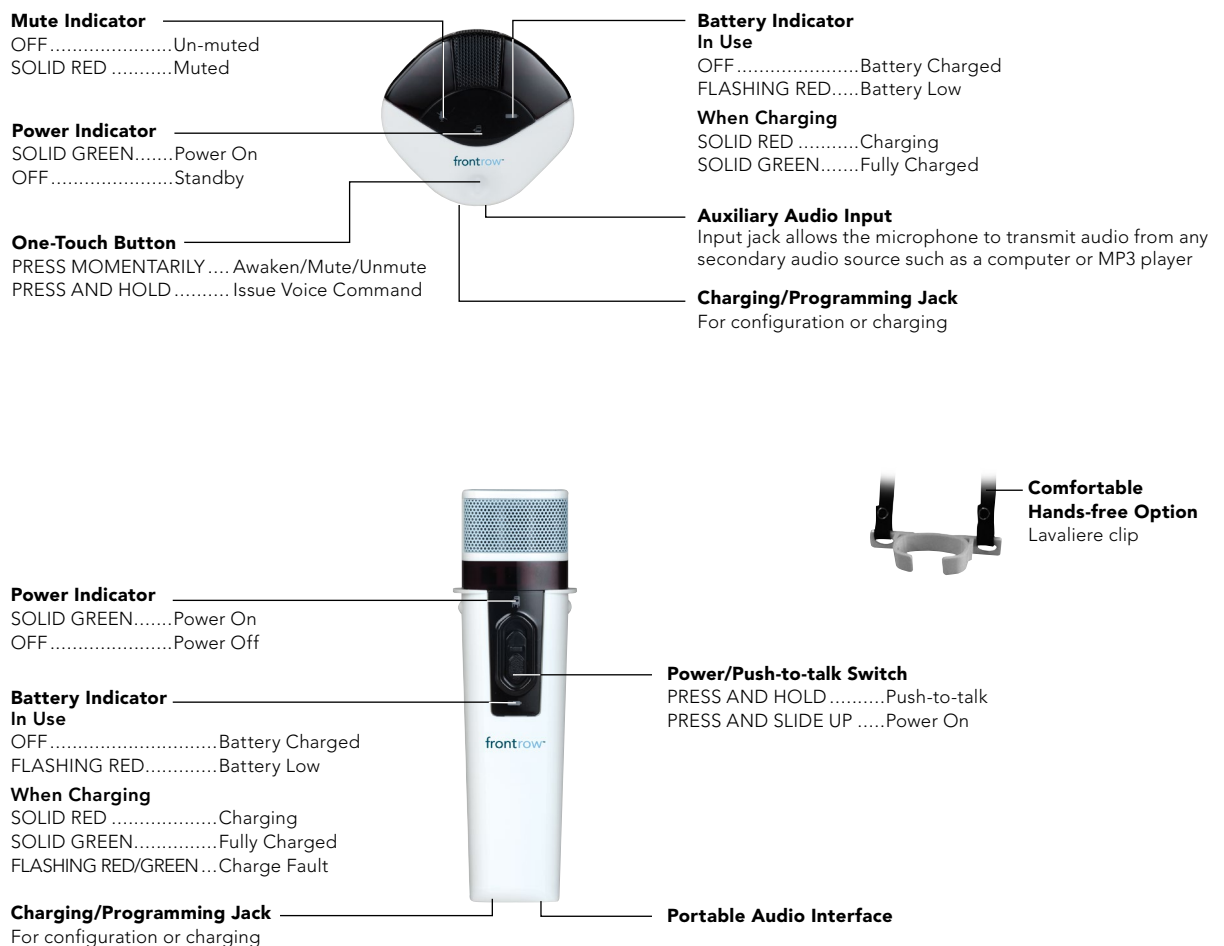
Teacher's Tips

Start of the Day

- Step 1** Put the microphone around your neck and adjust the strap so it is comfortable and 14cm/5.5in from your mouth.
- Step 2** Press the One-Touch Button on your Pendant Microphone. This will wake up both your Microphone and Tower.
- Step 3** Speak in a normal conversational tone.

End of the Day

- Step 1** Your Juno Tower and Microphones will automatically go into standby mode after a period of inactivity (10 minutes for microphones; 30 minutes for Tower).
- Step 2** Charge your microphones in the charging cradle (optional) or connect them with the USB cable to your Juno Tower or your computer.



For your Juno user guide and more information, go to gofrontrow.com/juno

Auxiliary Output

Output with volume control. **Connect personal FM systems for listeners with hearing impairment.** The volume knob below the aux output port will adjust the student's PFM. This setting may change for each student, depending on their hearing levels and needs. Please customize accordingly with each student.

Stereo Inputs for External Audio

Connect other classroom AV equipment such as a DVD player, television or VCR.

Integrated Serial Hub

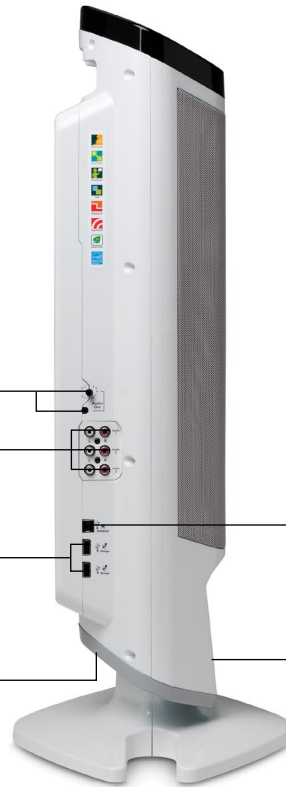
Two serial ports for charging microphones, and for programming microphones through a connected PC using the FrontRow Microphone Settings application.

Power Switch

Serial Port

Stereo Quick Connect

Quickly and easily connect an MP3 player or other audio device.



Voice Command



Your Juno System lets you remotely control parameters of your Juno Tower using a few simple voice commands.

To issue a voice command:

1. Press and hold the One-Touch button on the Pendant Microphone.
2. Wait for Voice Command tone and Tower LCD background to turn green.
3. Keeping the button pressed, issue one of the commands below.
4. Wait for confirmation tone and Tower LCD background to return to white.
5. Release the button.

For best performance:

- Follow the sequence above precisely when issuing voice command.
- Avoid brushing the microphone against clothing, jewelry, etc. while issuing voice command.
- Avoid holding the microphone close to the mouth with speaking a command.

Say:	When you want to:
Increase	Increase the volume by 2 steps
Reduce	Reduce the volume by 2 steps
LCD	Toggle Juno Tower LCD lock on/off

Volume Setting Guidance

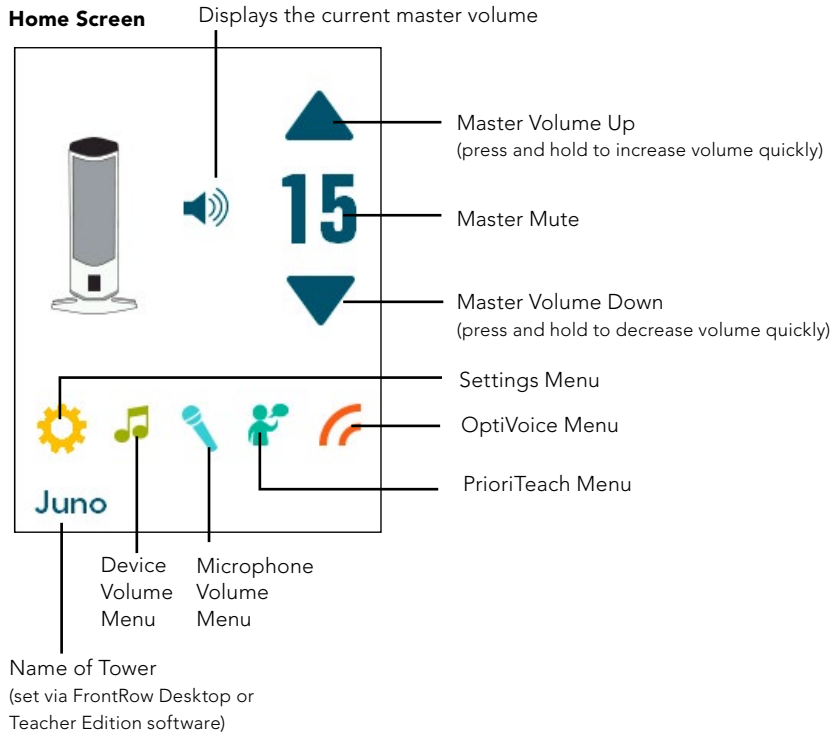
Your Juno Tower is equipped with a powerful Adapto™ feedback suppression engine that helps avoid harsh squealing noise that would normally occur when a microphone gets too close to a speaker. Nevertheless, try to use volume settings for daily use that give good audibility without constantly activating the feedback suppression engine.

The chart below shows the volume settings for the Pendant and Pass-Around microphones that are adequate for a typical classroom environment (600 - 900ft²/56 - 84m²). If more volume is required for a large or noisy room, you may notice the Adapto engine activating and at a high volume or short distance, the engine may not be able to maintain a pleasant audio quality. If feedback occurs, move away from the Tower, remain behind it while talking, or lower either the master volume or the volume for the microphone that is causing the feedback.

Recommended:

Master Volume	18 - 20
Pendant Microphone Volume	5 - 6
Student Microphone Volume	4 - 5

Tower Controls



Device Volume

You can control the individual volume of each device connected to your Juno Tower. Devices that are currently playing audio will appear in white text and have a green check mark in the far right on the blue bar.*

1. Press the Device Volume Menu icon. **See Image 1**
2. Select the audio device for which you want to change the volume. **See Image 2**
3. Adjust the volume of the connected device using the up or down arrow. **See Image 3**

Image 1

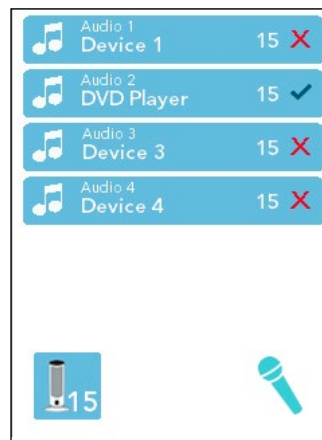


Image 2

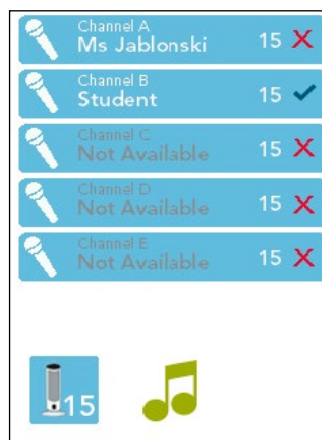


Microphone Volume

You can separately control the volume of each microphone used with your Juno Tower.

1. Press the Microphone Volume Menu icon.
2. Select the microphone for which you want to change the volume (microphones that are active – on and unmuted – will appear in white text and will have a green check-mark in the far right of the blue bar). **See Image 3**
3. Adjust the volume of the microphone.

Image 3



Troubleshooting

The Battery Indicator on the Pendant or Pass-Around Microphone is flashing green/red

- Make sure the unit is not excessively hot or cold.
- Remove microphone from charger for 5 minutes and then try again.
- The battery needs to be replaced

The Push-to-Talk function is not working on the Pass-Around Microphone

- Verify you are pressing on the lower section of the switch.
- Verify the battery is charged.

No signal reception (display indicates inactive channel)

- Check that the microphone is on.
- Check that the microphone is not muted (ITM-02 only).
- Verify that you are not blocking either the emitters on the microphone or the sensor at the top of the Juno Tower.
- If reception is interrupted when facing a certain direction, install an additional sensor in that area of the room (see *Installer Guide*) or adjust VoiceChoice settings.
- If using more than one microphone, verify that they are not on the same channel.

Tower will not 'wake up' from standby mode

- Volume level on auxiliary audio device is set too low.
- Make sure microphone is on and working correctly.

When I turn the Tower on, all I get is a white screen on the LCD

- Turn the power off, wait 60 seconds and turn it back on.

Tower won't turn on (LCD does not turn on)

- Verify that the power supply is plugged into both the receiver and a working wall outlet.
- Verify the Tower power switch is on.
- Test with another power supply.

'Dead spots' or microphone crackling/noise

- Verify that you are not blocking either the emitters on the microphone or the sensor at the top of the Juno Tower .
- If reception is interrupted or noisy when facing a certain direction, install an additional sensor in that area of the room (see *Installer Guide*) or adjust VoiceChoice settings.
- If using more than one microphone, verify that they are not on the same channel.
- There may be "noisy" electrical wiring. Install an AC line filter (see *Installer Guide*).

Feedback (squealing)

- Lower the Microphone Volume control(s) on the Tower.
- Position the microphone closer to mouth.
- Verify that the Music Audio In option is not checked in the Microphone Volume screen.

Weak or no output from speaker(s)

- Increase the Master, Device or Microphone Volume control(s) on the Tower.
- Position the microphone closer to mouth.
- Verify that the microphone is on and not muted.

Charging light won't come on

- Check that the charger is connected to a working power outlet.

When playing audio from an audio device such as an iPhone™ or other MP3 player, I can hear background noise through the speakers

- Your device may be emitting a low level hum that is amplified by the Juno Tower. Use a filtering cable such as a ground loop isolation transformer cable to eliminate or reduce the noise.

My voice commands are not being recognized

- Make sure there is not excessive background noise while issuing command
- Make sure the microphone is not being moved around, brushing on clothing, buttons or jewelry.
- Make sure you are following the correct sequence when issuing command.