



unIFY Control Panel

SoundTube IPD Speaker Configuration



QSC, LLC • 1675 MacArthur Boulevard • Costa Mesa, CA 92626
Ph: 800/854-4079 or 714/957-7100 • Fax: 714/754-6174

© 2020 QSC, LLC all rights reserved. QSC and the QSC logo are registered trademarks of QSC, LLC in the U.S. Patent and Trademark office and other countries. All other trademarks are the property of their respective owners. Patents may apply or be pending.

www.qsc.com

Based on the model of SoundTube Dante™ speakers, there are two modes of setup:

- Biamp
- Full Bandwidth

General Setting & Status



Pink Noise

Check the Enable box to output pink noise for diagnostic purposes. The volume level can be adjusted with the slider, entered into the text field, or using the up/down arrows.

Status

This section shows the current Amp, Temperature, and Speaker status levels.

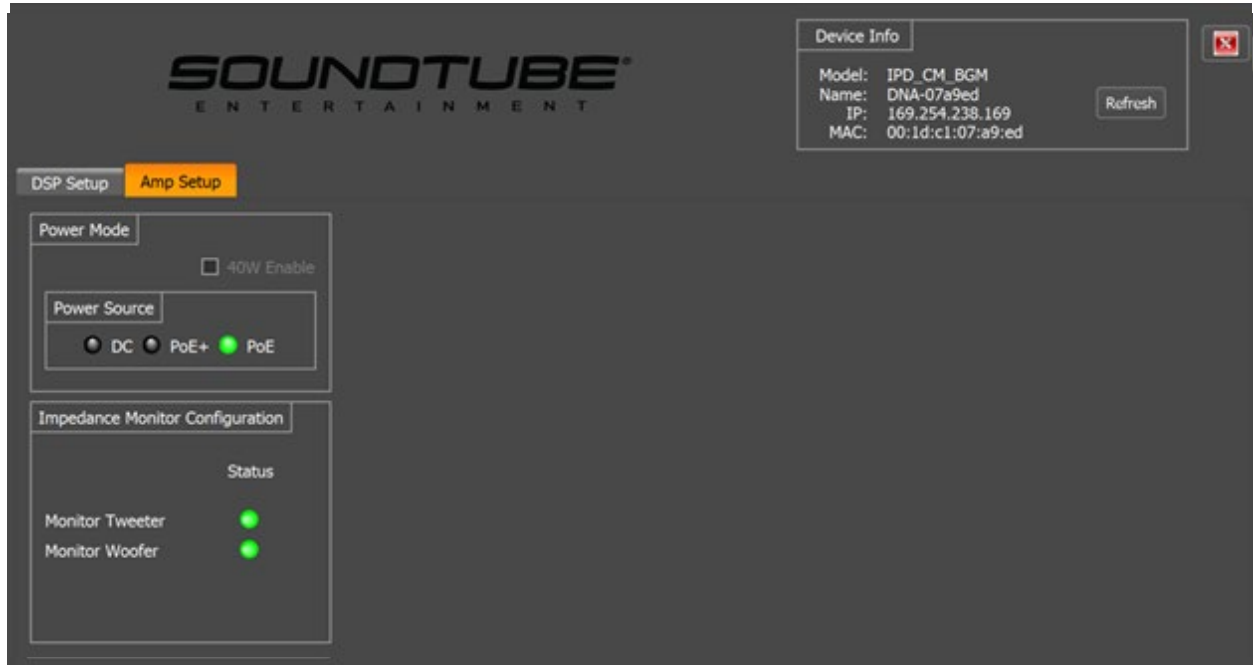
Device Info

This section provides information such as the device name, model, IP and MAC addresses, Location, and firmware version. The Location field is editable for organization of multiple devices.

Older Preset File

Load preset files from the previous DNA Control software here.

Biamp Mode - Amp Setup



Power Mode

This section shows the status of the currently used power source. The 40W Enable checkbox should only be selected when used with Soundtube's switching hardware that supports the 40W mode.

Impedance Monitor Configuration

This section shows the current status of the speaker voice coil. The impedance monitor will report voice coil failures in response to the built-in speaker self-testing as a pass or fail indication. A green LED indicates the speaker is functioning properly, a red LED indicates the speaker voice coil has failed or is approaching failure.

Biamp Mode - DSP Setup



Input & Output Controls

- The input level can be adjusted with the slider, entered into the text field, or using the up/down arrows.
- The output level can be adjusted with the slider, entered into the text field, or using the up/down arrows. There is also a mute option and phase invert.

EQ Section

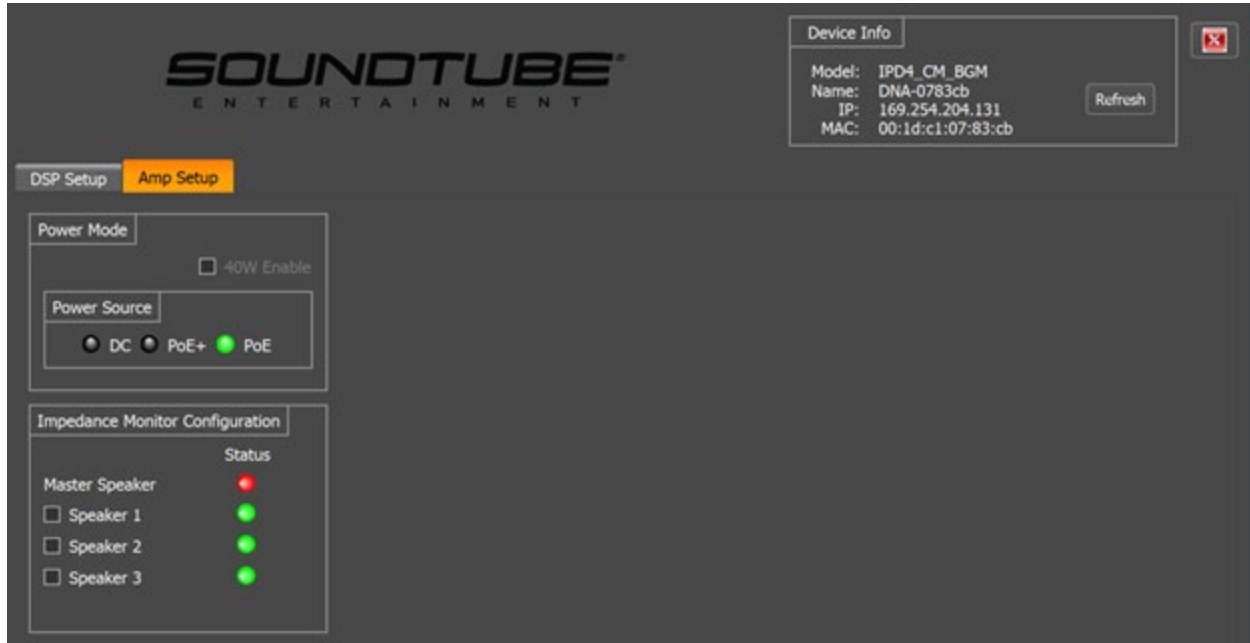
The EQ section includes High and Low Pass filters with frequency sliders. Bands 1-8 have adjustable frequencies from 10Hz to 22kHz. Gain is adjustable from -30dB to 6dB. The BW slider adjusts to cover a narrow to wider slope for the assigned frequency.

- Bypass EQ – passes all audio without EQ applied
- Reset EQ – resets all EQ band gain settings to 0dB

Delay

In large systems with multiple speakers to cover a large area, it is necessary to set a delay on the supplemental speakers for coherence and synchronization of the sound. Adjustments are made via the slider or text field.

Full Bandwidth Mode - Amp Setup



Power Mode

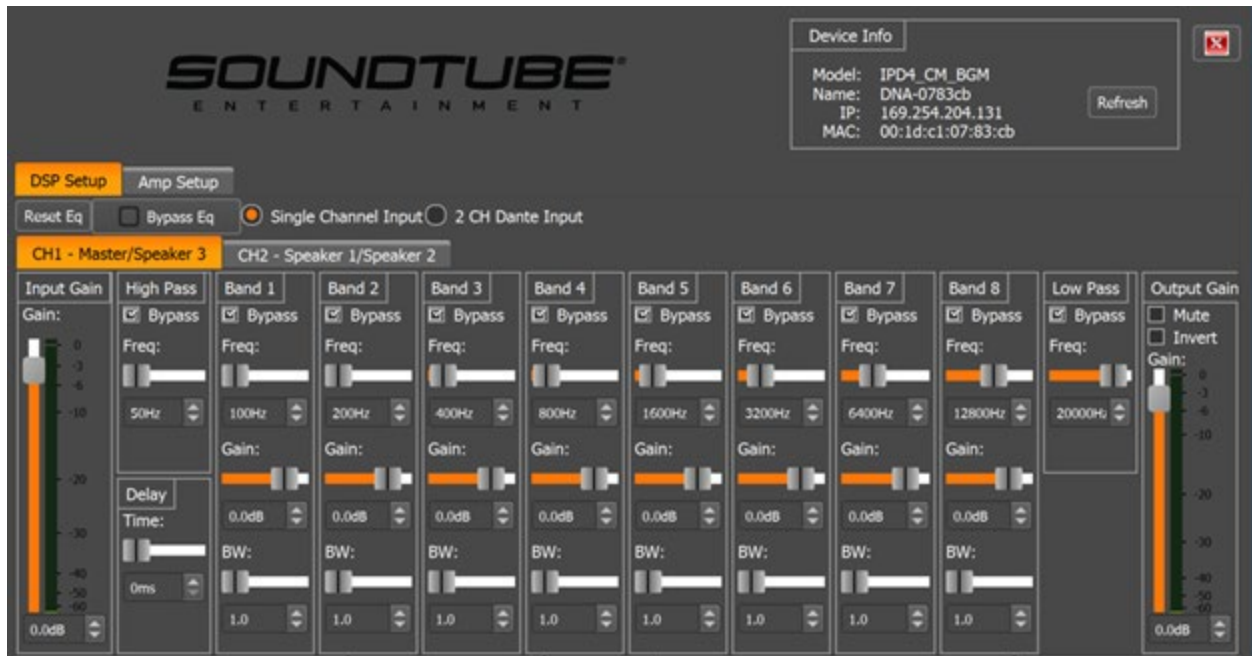
This section shows the status of the currently used power source. The 40W Enable checkbox should only be selected when used with SoundTube's switching hardware that supports the 40W mode.

Impedance Monitor Configuration

This section shows the current status of the speaker voice coil. The impedance monitor will report voice coil failures in response to the built-in speaker self-testing as a pass or fail indication. A green LED indicates the speaker is functioning properly, a red LED indicates the speaker voice coil has failed or is approaching failure.

The checkboxes allow each external speaker output to be included or ignored when reporting the impedance monitoring results.

Full Bandwidth Mode - DSP Setup



Input Mode

The full bandwidth output speaker models include an option to process Dante input from one or two channels.

When “Single channel input” is selected, both processing chains for CH1 and CH2 controls are fed with the same Dante RX channel.

When “2 CH channel input” is selected, each processing chains for CH1 and CH2 controls are fed with a unique Dante RX channel (CH1 receives the first Dante RX channel and Ch2 receives the second Dante RX channel).

CH1/CH2

- **CH1 – Master/Speaker 3** – This tab allows configuration for the main and Speaker 3 output on the device.
- **CH2 – Speaker 1/Speaker 2** – This tab allows configuration for the Speaker 1 and 2 output on the device.

Input & Output Controls

- The input level can be adjusted with the slider, entered into the text field, or using the up/down arrows.
- The output level can be adjusted with the slider, entered into the text field, or using the up/down arrows. There is also a mute option and phase invert.



Attero Tech by QSC unIFY Control Panel SoundTube IPD Speaker Configuration

EQ Section

The EQ section includes High and Low Pass filters with frequency sliders. Bands 1-8 have adjustable frequencies from 10Hz to 22kHz. Gain is adjustable from -30dB to 6dB. The BW slider adjusts to cover a narrow to wider slope for the assigned frequency.

- Bypass EQ – passes all audio without EQ applied
- Reset EQ – resets all EQ band gain settings to 0dB

Delay

In large systems with multiple speakers to cover a large area, it is necessary to set a delay on the supplemental speakers for coherence and synchronization of the sound. Adjustments are made via the slider or text field.