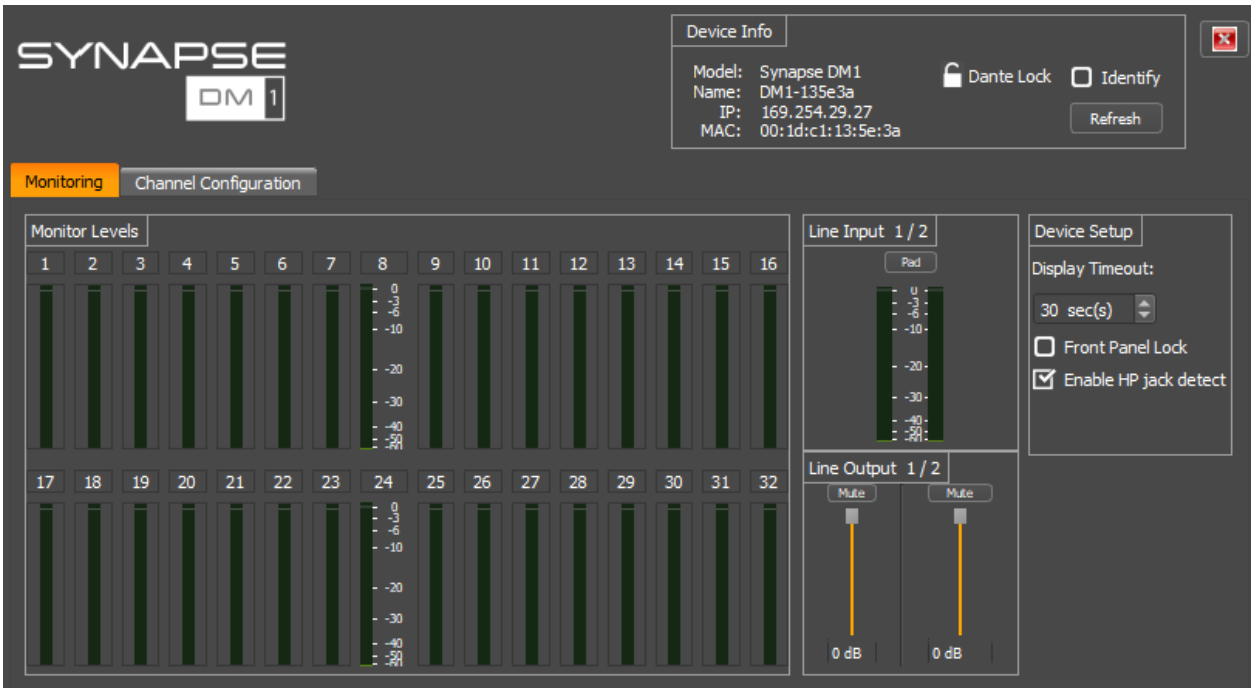
unIFY Control Panel

Synapse DM1 Configuration

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

www.qsc.com

Monitoring



Monitoring Levels

The DM1 metering section shows the levels of the audio signals received directly from the Dante™ flows.

Line Input 1/2

Line input metering section shows the levels of the audio signals received at the Line Inputs.

The line inputs have a pad control to set the input level. The pad setting applies to both and cannot be set individually for each input. Turn the pad on to set nominal +4dBu (pro) input levels or turn it off for nominal -10dBV (consumer) input levels.

Line Output 1/2

Each output has its own volume control. The slider adjustable from a minimum of-127dB to a maximum of 0dB. To adjust the volume, click on the slider and drag it either up or down. Alternately, click in the text box below the slider and type in the desired level.

Each output also has a button to mute the signal.

Device Setup

Display Timeout

Clicking the up/down arrows will adjust the time of inactivity before the display goes into sleep mode. The default setting is 30 seconds.

Front Panel Lock

Activating the “Front Panel Lock” option will prevent users from changing the monitoring settings from the front panel of the DM1. When enabled, the monitor facility is locked to whatever channel was selected when the lock is applied.

HP Jack Detect

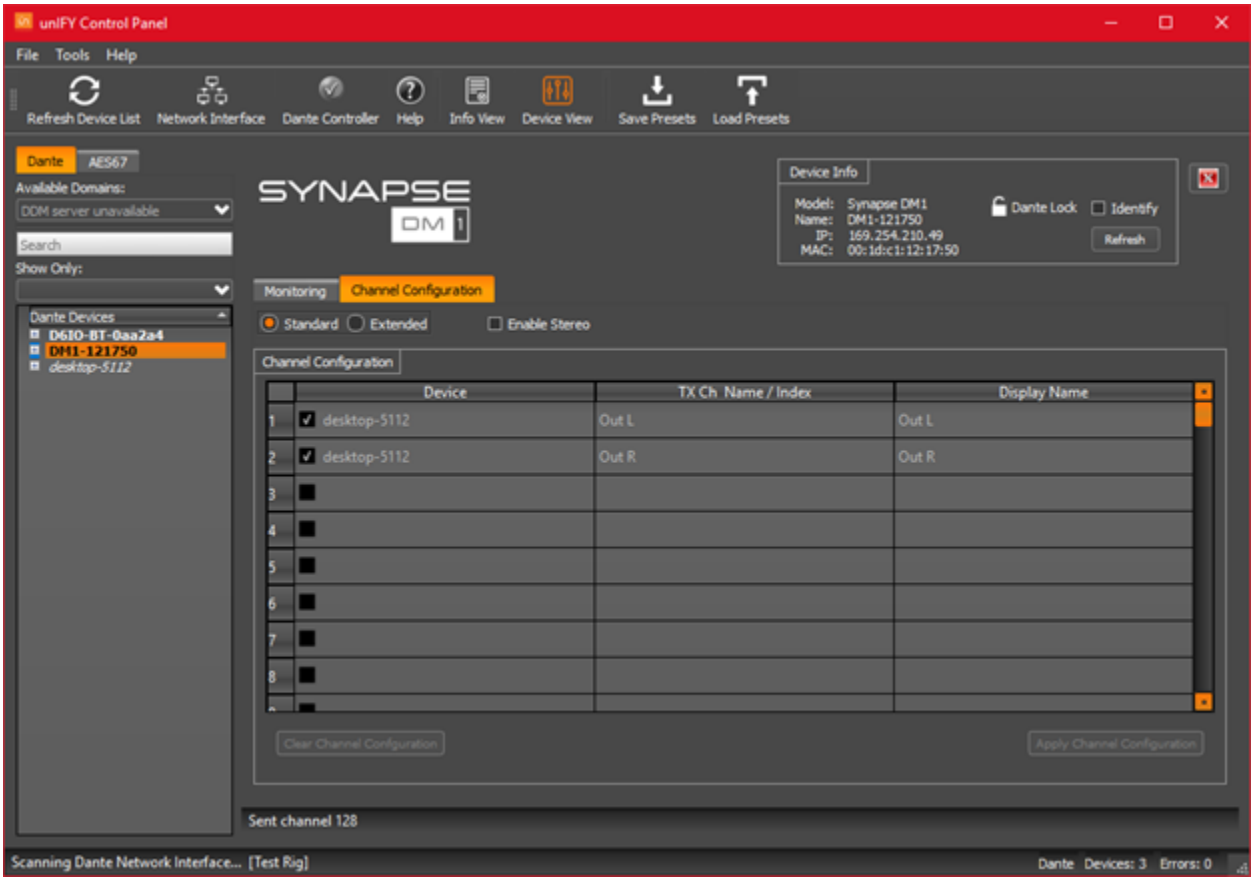
If the jack detect mode is enabled, the speakers will automatically be muted if a headphone plug is inserted.

Channel Configuration

The Channel Configuration list consists of three columns:

- Device Name
- Device TX Channel

Standard Mode

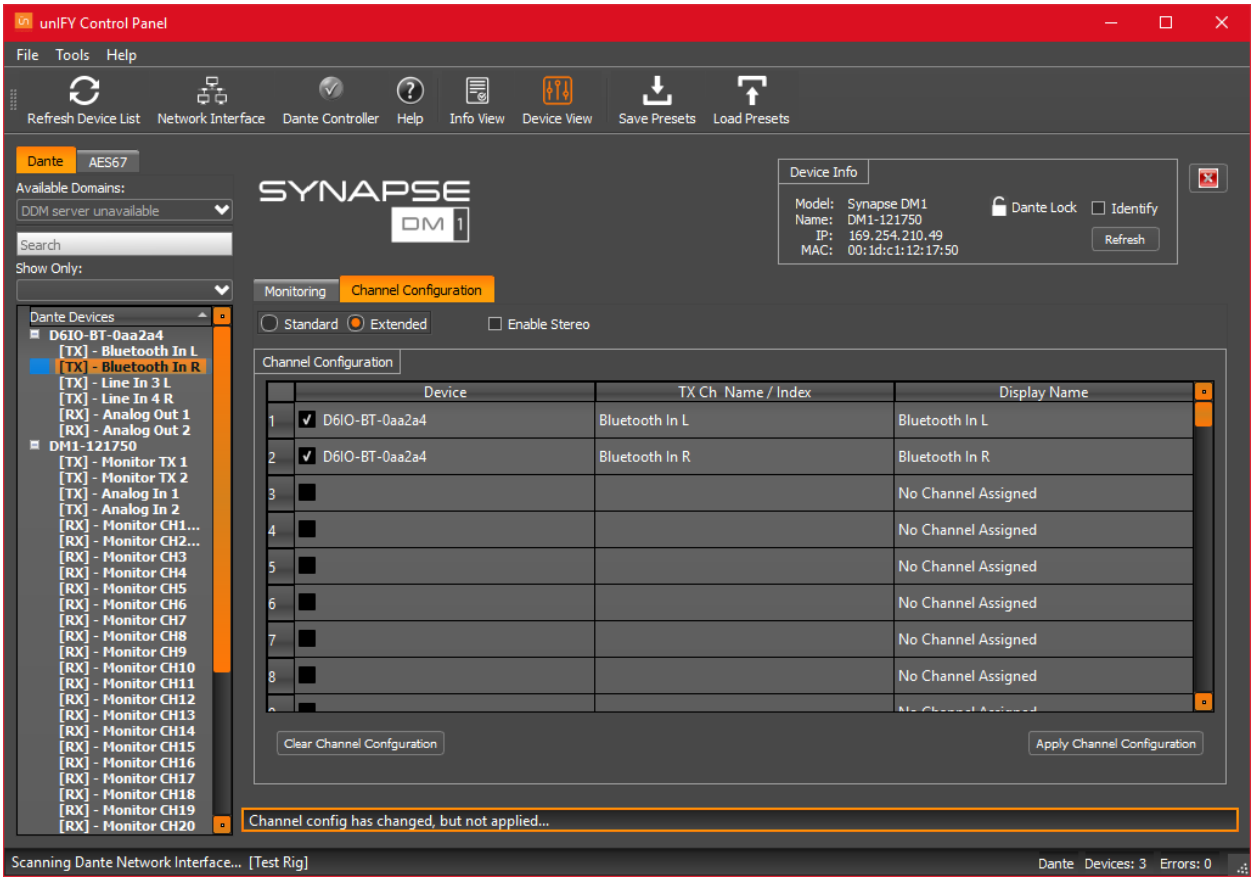


In standard mode, up to 32 Dante™ audio channels can be assigned to the DM1 receivers using Dante™ Controller. The user can then select which one of the assigned channels to listen to by navigating through and selecting the desired one from the front panel controls once they have been assigned.

If Stereo mode is selected, audio is selected and assigned to the audio outputs in channel pairs.

Extended Mode

**NOTE: The channel configuration/assignment in Extended mode only works for Dante channels. It cannot be used for AES67 channels. AES67 channels are not user selected from the devices front panel like the Dante channels and can only be assigned statically using Dante Controller.*



In extended mode, instead of the user selecting from channels already routed over the network to the DM1, the DM1 can use dynamic audio routing of networked audio instead. When a user selects an available channel using the front panel controls, the device will dynamically set up a route for that audio.

In this mode, the DM1 must be pre-configured with a list of channels to monitor. The channel list consists of 128 channels slots each of which can be assigned a channel of audio from the network. The list therefore allows up to 128 total mono audio channels, or 64 pairs in stereo mode. It is not necessary to use all slots. Each slot features an enable checkbox. In order for the channel to appear on the front panel for the user to select, this checkbox must be checked. Any channels with the check box not checked will be ignored by the user interface of the DM1.

Audio from any Dante™ transmitter (denoted by a TX in the expanded channel view in the device list) can be assigned to a slot on the DM1 by either dragging the specific channel label from the device list onto the desired channel list slot or by dragging the name of the device onto the channel list. If the device name is dragged and

dropped, all available channel transmit channels will automatically be populated into the channel configuration list.

**Note: Assignments of channels to the channel list are not subject to any Dante constraints. However, as the audio routing over the network for the DM1 in extended mode is done dynamically, any channel selected by the user for monitoring *WILL* be subject to Dante flow constraints at the time the route is set up and the audio will not pass if these constraints are broken. It therefore may be necessary to make some of the audio channels available multicast to avoid problems.*

When channels are applied by the drag and drop feature, the display name is automatically created from the Dante™ channel name. The "Display Name" is used to identify monitoring channels via the front panel. In many cases, this name may not properly represent the audio in question so it may be desirable for the end user to be presented with a name that differs from the actual Dante™ channel name. The default text in the "Display Name" therefore may overridden by entering the desired display name which can be up to 32 characters in length.

Once all channel configuration settings have been set up, click the “Apply Channel Configuration” button to send the settings to the DM1.

Channels are navigated and selected from the front panel controls once they have been assigned. Only enabled and assigned channels will be available on the front panel for monitor selection.

To quickly remove all assigned channels, click the “Clear Channel Configuration” button, then the “Apply Channel Configuration” button to send the settings to the DM1.

Stereo Mode

In the Mode Setup controls, the user may select “Enable Stereo” to configure the DM1 in stereo monitoring mode. When this checkbox is selected, the channel list will be altered to show 64 channel pairs (1- L, 1-R, 2-L, 2-R, etc). The “Display Name” field is taken from the name assign to the left hand channel while the right hand channel name is disabled. The same configuration method is used for stereo channel setup as is done for the mono channel monitoring. When the user cycles through the channel list, the audio is output to the corresponding left or right channel on the outputs and monitor speakers and when monitoring with headphones.