Crown Field Support Engineering

Issue Date: 15 May 2014
Ref. No: DCiN #0002
Subject: DCiN High Z Configuration

Applicability: The following set of instructions will walk you through configuring your DCi Network version amplifier for 70/100V (High Z) operation using Audio Architect. **Note: All DCi amplifiers ship from the factory defaulted for Low Z operation.***

**Step 1:** After you launch Audio Architect, click and drag the DCi-N amplifier from the "Discovered" folder on the left to the main "Room 1" window on the right as shown below. Now you can pre-configure your amplifier prior to going online.
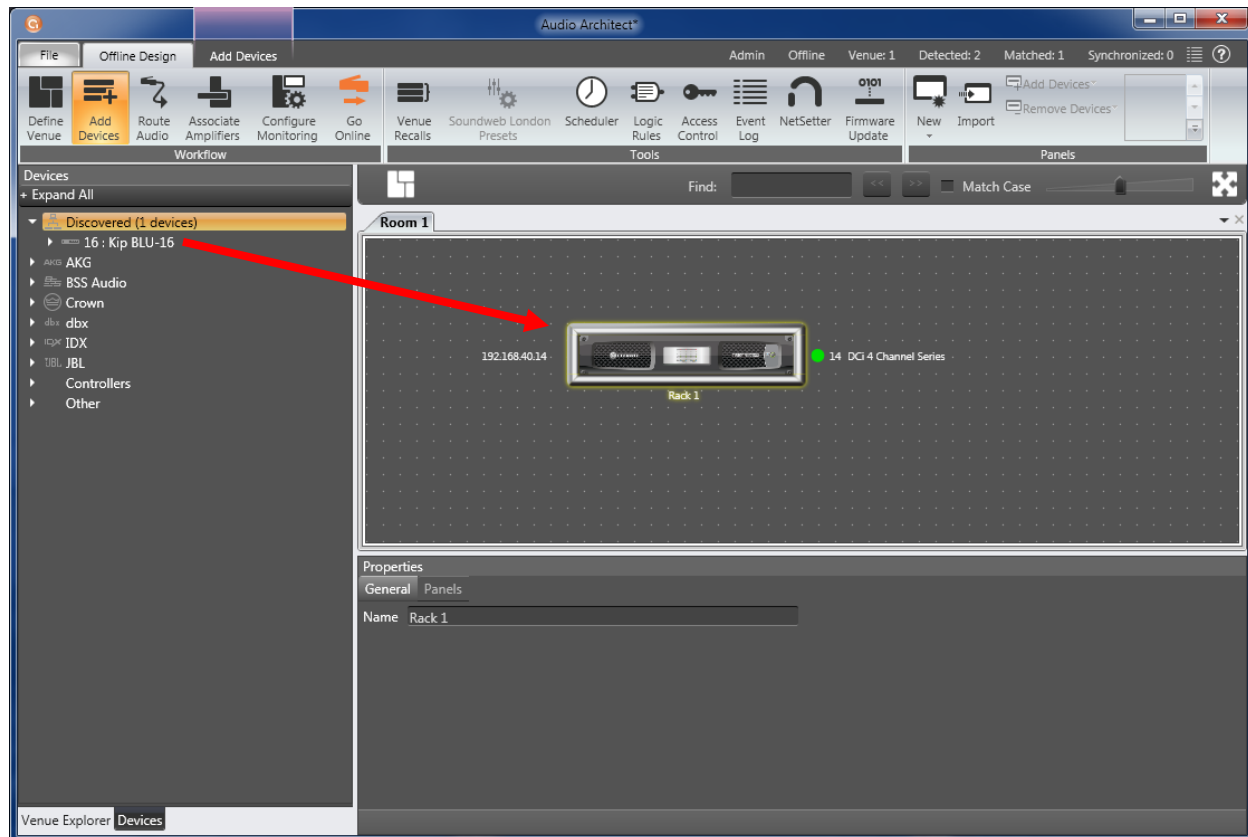
Step 2: Double click on the amplifier to open the Default Device Panel.

Step 3: With the Default Device Panel open, you will see a button labeled "MODE" as indicated in the image below. Double click on the MODE button to open the Amplifier Mode Settings window.
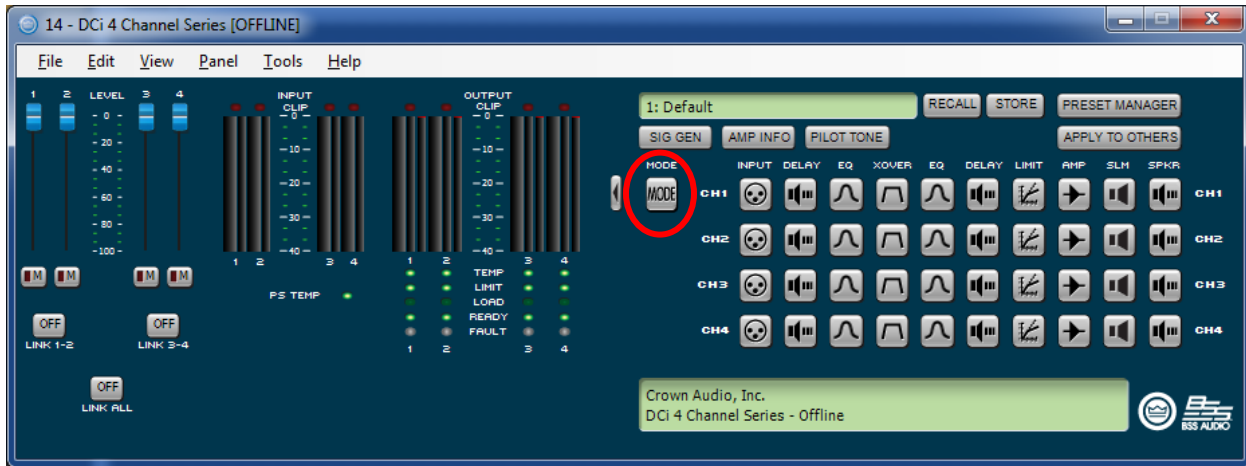

Step 4: In the upper right corner of the Amplifier Mode Settings window you will see the global High Z voltage setting. Select the voltage setting that is required for the High Z speakers in the audio system, either 70V or 100V. This setting is global for all channels set to High Z.

**Step 5:** Select the Low/High Z setting for each channel.
- Low Z = 2/4/8/16 ohm speakers. By default, all channels are set to Low Z.
- High Z = 70V/100V speakers.
- Combinations of Low Z and High Z modes can be selected as desired. In this example only channels 3 and 4 are set for High Z (70V).
- Note that when you select High Z, the XOVER icon in the signal path chain for the selected channels turns blue. This happens because the High Z setting automatically turns on a 35Hz high pass filter for the selected channel. If needed, you can double click on the XOVER icon and change the HP filter to a higher value. A 70Hz HP filter recommended for most applications.
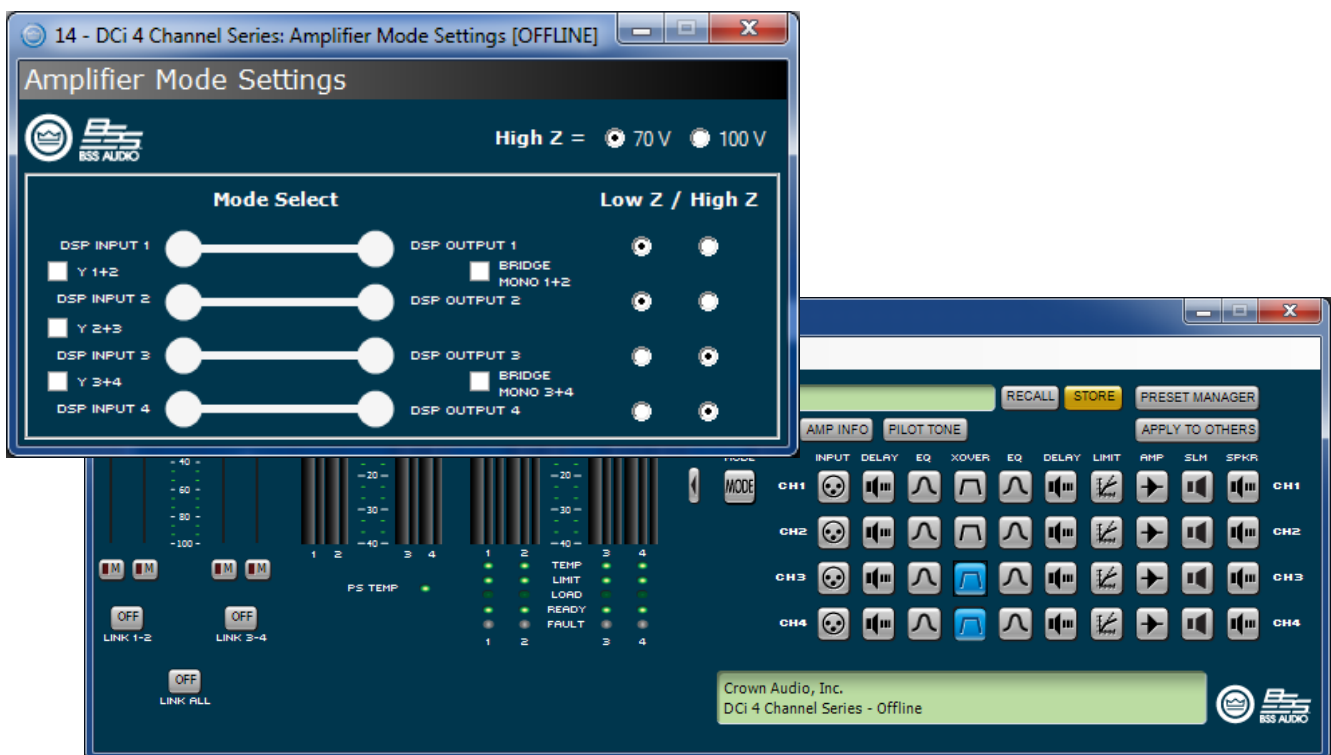
Step 6: Once you have the correct High Z modes selected you are ready to send the settings to the amplifier. Click on the Go Online button in the Offline Design → Workflow ribbon as shown below.
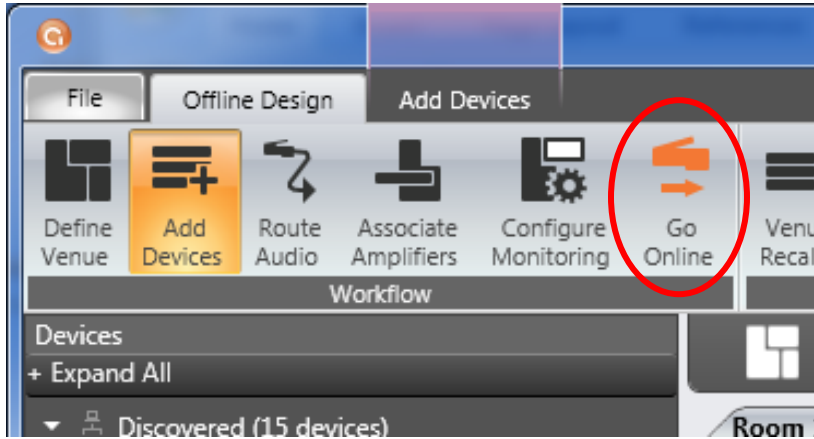
- After clicking Go Online, you may be prompted with a window asking if you want to Save To Device Network. This is not necessary, click "No" or "Ignore".
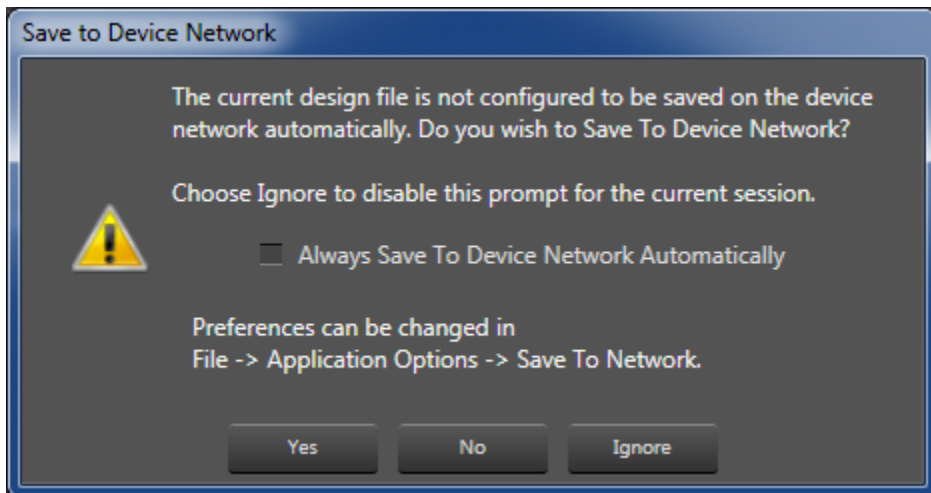

Step 7: Next you will see R and S arrows show up on your devices.

- The "R" arrow stands for Receive, which means Audio Architect software will Receive the settings previously loaded onto the amplifier.
- The "S" arrow stands for Send, which means Audio Architect will send the changes made while offline to the amplifier.

- Since changes have been made while offline, you will want to click on the "S" arrow to send settings from the software down to the amplifier.

Step 8: If you have not already stored your current settings in a preset, you will likely want to do so now.
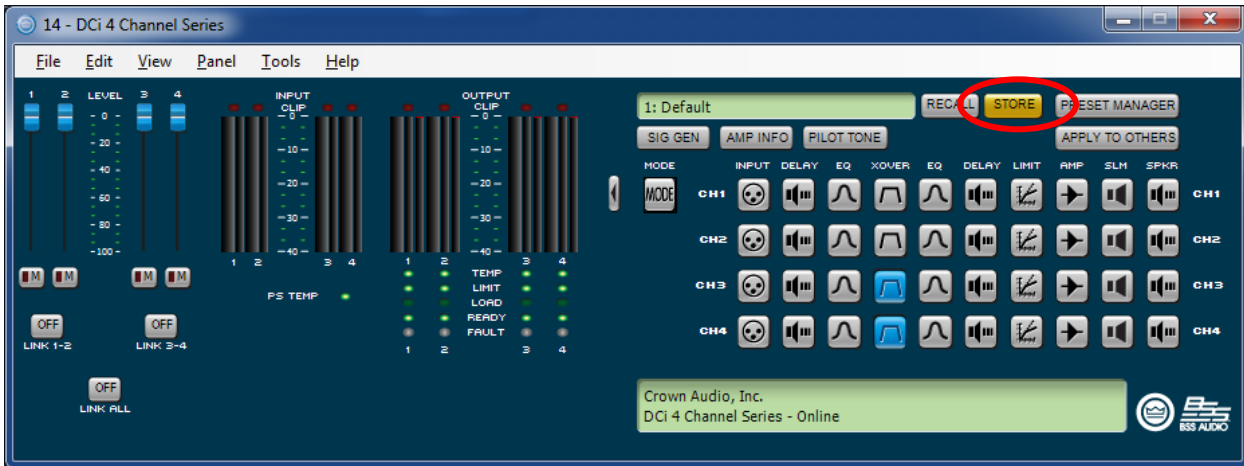
- Click on the yellow "Store" button to open the Store Preset window.
- Select one of the 19 blank presets to save over.
- Give the preset a useful name, and select an identifying color if desired.
- Click the OK button to save the preset. You will notice the store buttons turn from yellow to grey.