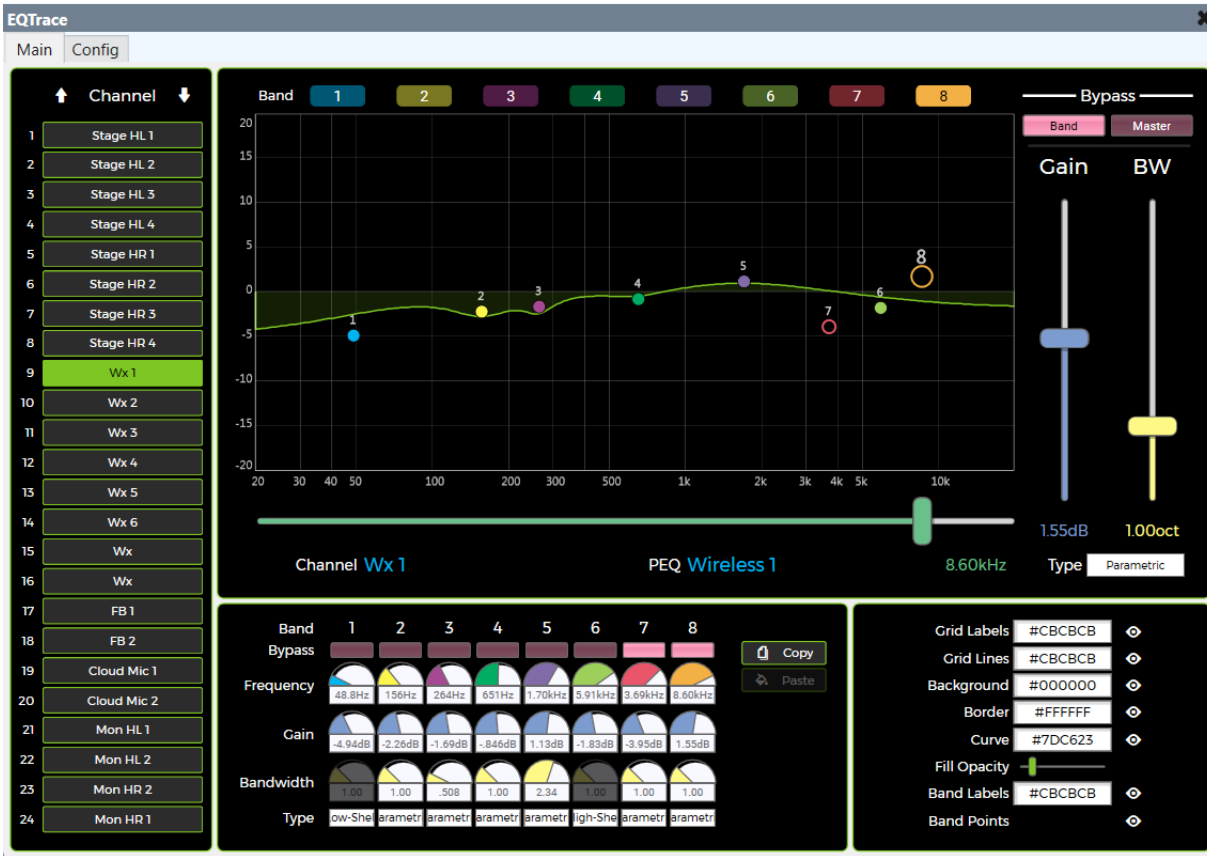




Overview

EQTrace is a plugin for Q-SYS which empowers programmers to bring Parametric Equalizer response curves directly to User Control Interfaces. By connecting up to 24 PEQs in your design, the plugin retrieves their parameters and renders the EQ response curve for display. This allows users to visualize and interact with EQ settings in real time, enhancing control and clarity in audio system tuning. EQTrace bridges the gap between powerful audio processing and intuitive user interfaces, providing a streamlined solution for displaying critical PEQ information.

Features

- A Parametric Equalizer response display that can be shown and adjusted on your UCI.
- Full control over all linked PEQs from one plugin.
- Fully customizable color scheme for an aesthetically pleasing UCI response curve.
- Easy navigation for the end user with direct selection buttons, and simple previous / next buttons.
- Copy / Paste buttons to quickly copy PEQ settings from one selected component to others.
- Dynamic band controls that adapt to the Band Count of the selected PEQ component.

Create beautiful user interfaces that show the full picture.



What makes EQTrace different from other plugins?

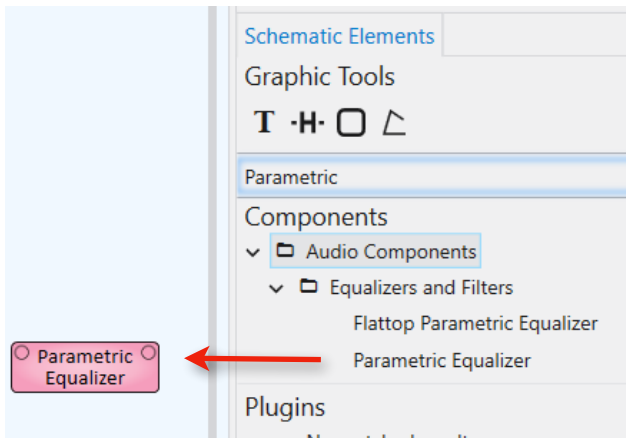
- Keep the signal chain that works for you! EQTrace does not have to go in-line of the audio path, rather it can be located anywhere in the design and will connect to the PEQ via Code Name.
- Link up to 24 PEQs to the plugin's "Channels". Provide each channel a friendly name. Navigate between the channels with easy selection or arrow navigations that can be shown on the UCI. As you navigate, the selected PEQ will be displayed.
- Point EQTrace to PEQs with differing band counts and EQTrace will dynamically adjust it's control quantity based on the Band Count of the selected PEQ.

Requirements

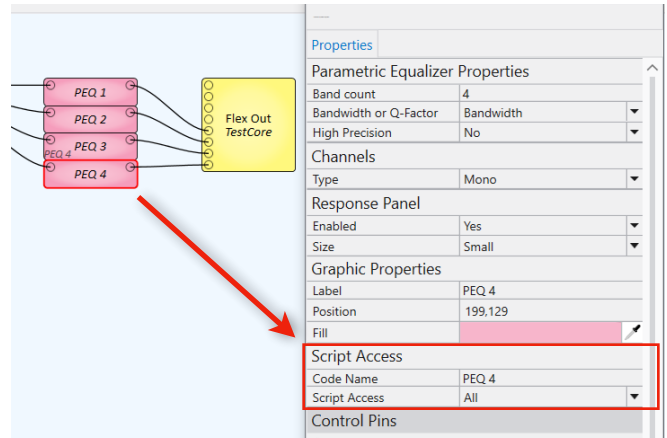
- Q-SYS Designer version 9.4 or higher
- Scripting License
- UCI License, if you plan on showing the response curve on a touch screen.
- EQTrace License - note that the plugin will work for 10 minutes if a valid License is not entered.

User Guide

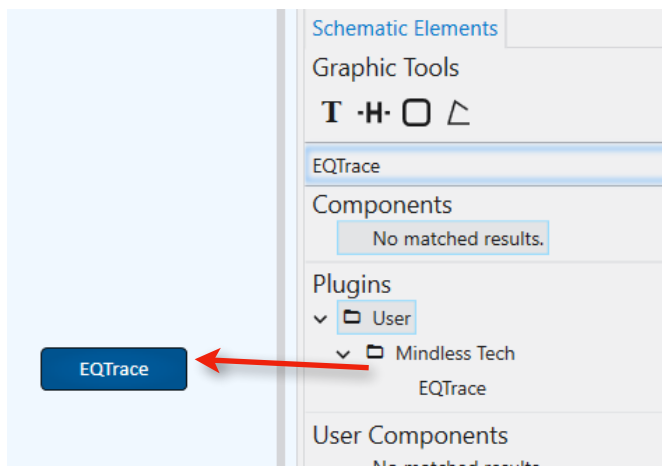
1. Drag one or many Parametric Equalizer's into your design. Place in signal flow as desired.



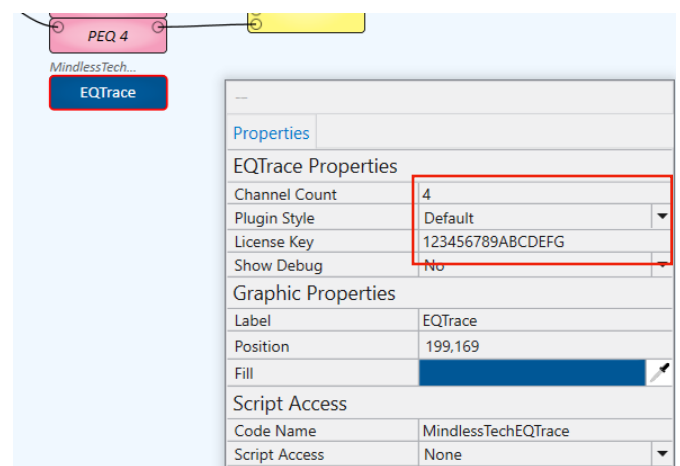
2. Give each PEQ a Code Name, and ensure that Script Access is set to "All" or "Script".



3. Drag the EQTrace plugin into the design.



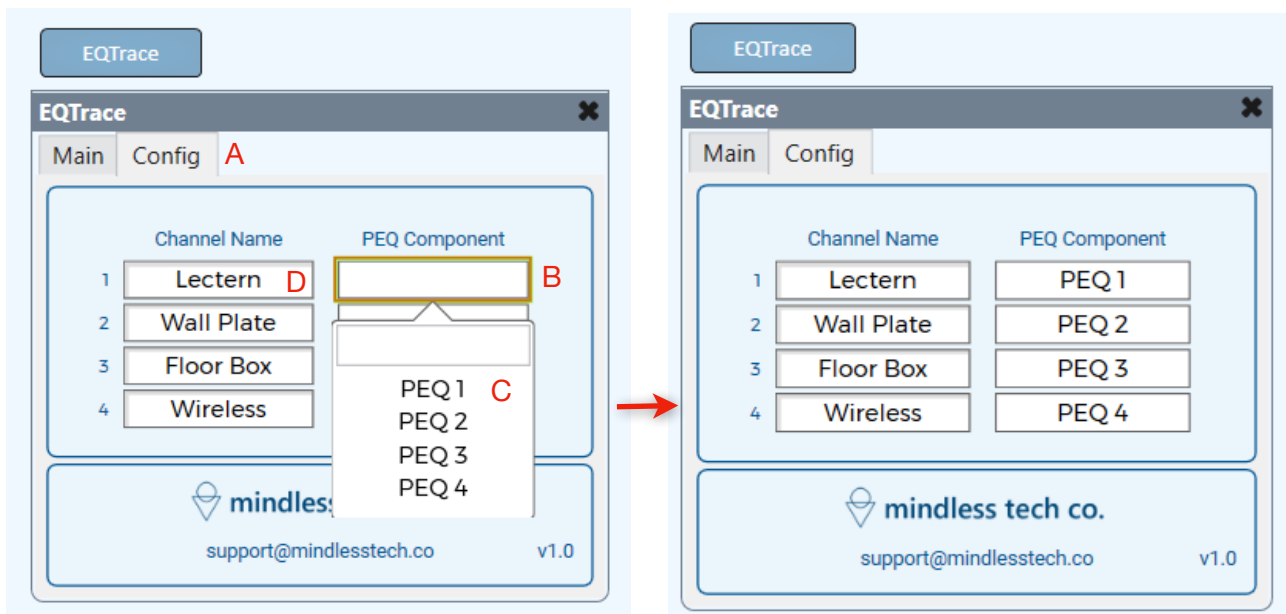
4. Configure Channel Count and enter license info in the plugin Properties pane.



5. Start the design by pushing to Core, or Emulating.

6A. If the Channel Count property is more than 1:

- Select the "Config" tab.
- The PEQ's in the design will be listed in the combo boxes under "PEQ Component".
- Choose the desired PEQ for each respective plugin channel.
- Provide each channel with a desired name.

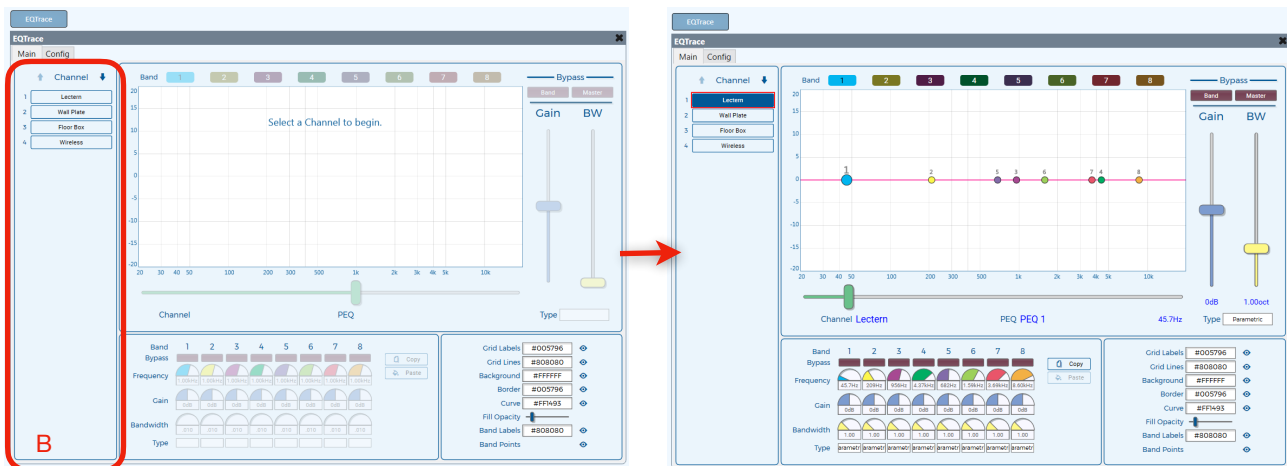


6B. If the Channel Count property is set to 1:

- The PEQ's in the design will be listed in the combo box next to "PEQ Component".
- Select the desired PEQ. The EQ curve will be drawn on the display.



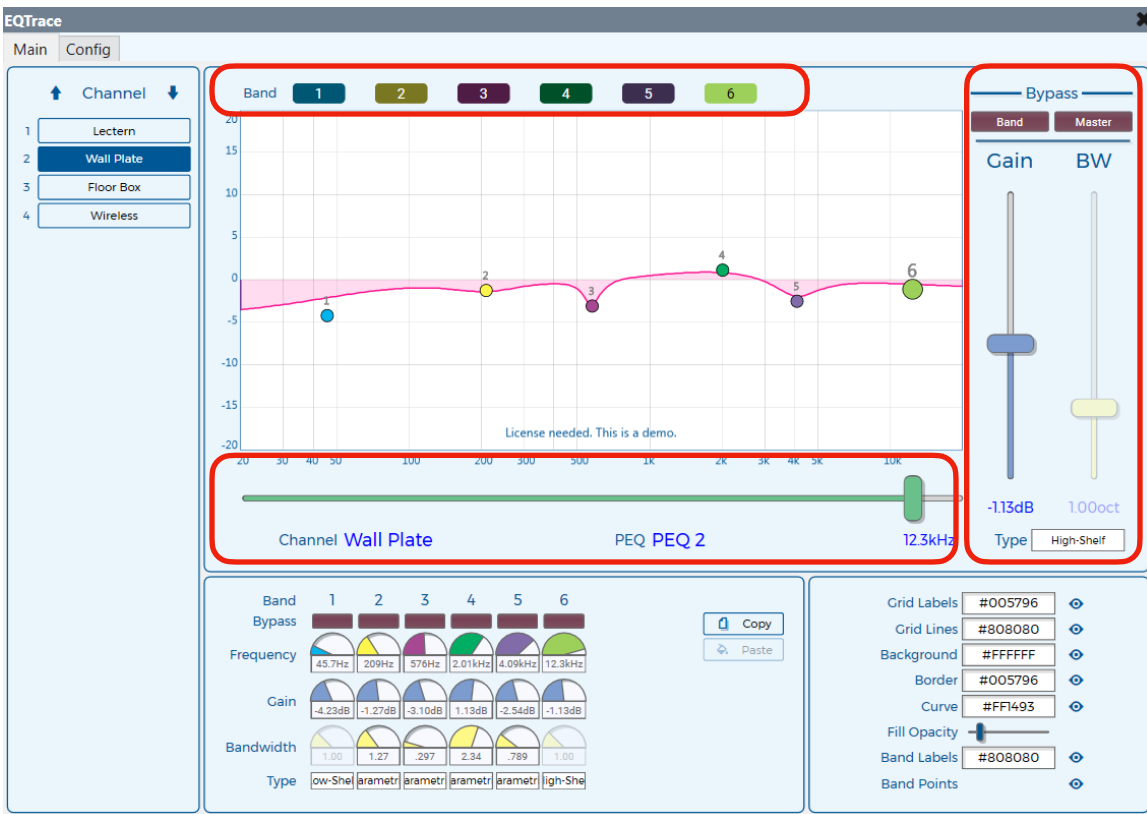
7. If the Channel Count property is more than 1:
 - a. Select the "Main" tab.
 - b. Choose the desired channel. The EQ curve will be drawn on the display.



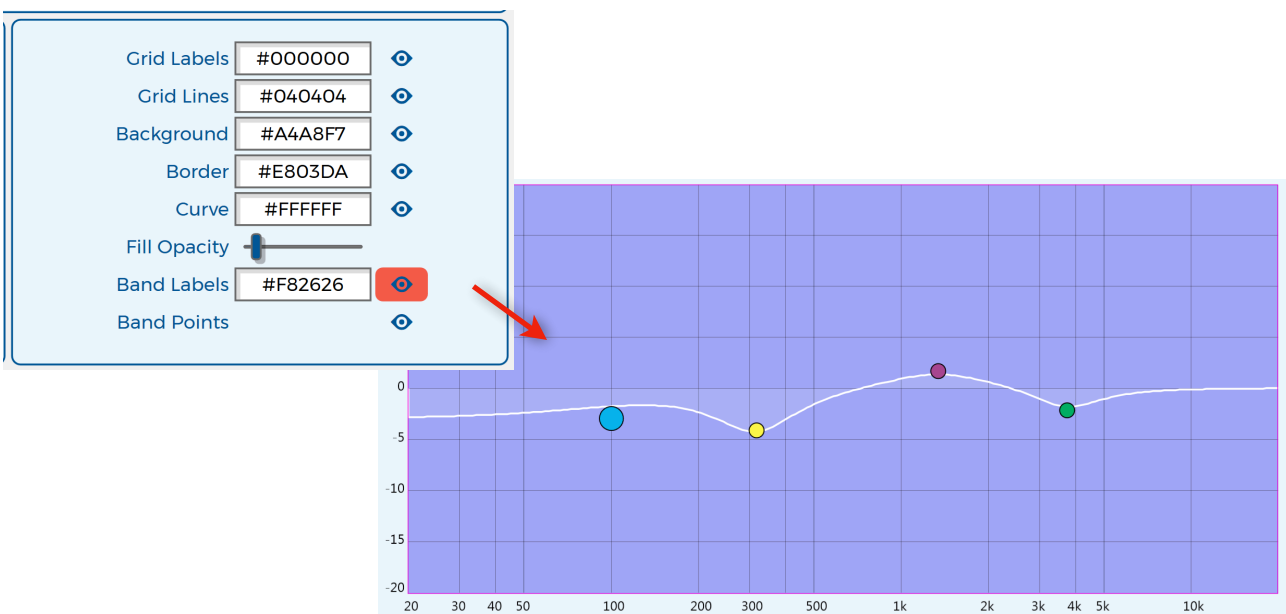
8. The plugin now displays the selected PEQ controls.
 - a. The plugin will dynamically show the respective quantity of EQ bands (up to 8) that exist on the PEQ component.
 - b. In the bottom section, all EQ band controls (up to 8) are shown.
 - c. In the top section, you can select an individual band to control its frequency, gain, bandwidth, filter type, and bypass.



9. Select a band, and then use the Frequency, Gain, Bandwidth, and Type controls to manipulate it.
 - a. The plugin will change the selected band of the respective Parametric EQ component, and will redraw the response curve.



10. Use the controls in the bottom right area to customize the response curve.



Properties

- **Channel Count** : How many PEQ's this plugin is expected to use.
- **Plugin Style** : Changes the plugin color scheme.
 - Note that if you have already deployed the plugin, the response curve colors will remain as they were if this value were to change after the fact.
- **License Key** : The key that will be emailed to you when you purchase the plugin.

Control Pins

Name	Type	Direction
Channel Name	Text	Both
Color	Text (valid #hex strings only)	Input
Curve Opacity	Percentage Value	Input
Draw / Disable	Boolean	Input
Selected Channel	Integer Value	Output

Known Issues

1. If multiple color & visibility controls change simultaneously, the drawn output may not fully reflect the changes. If using a snapshot to change color scheme, ensure that the snapshot has a slight ramp time.

FAQ

1. Can I have more than one instance of EQTrace in my Design?
 - a. Yes! There are a few reasons you may want to use two or more instances of EQTrace.
 - You have more than 24 PEQ's you want to show on the UCI.
 - You need to divide some PEQ's to one UCI, and others to another UCI.
2. Do I need a separate license key for each deployment of EQTrace?
 - a. No, the same license key will work for any Core. Buy it once, use it often.

Support

Please reach out to support@mindlesstech.co for any support needs. If you are experiencing any issues with the plugin please provide the following information:

- Plugin Version
- Q-SYS Designer Version
- Model of user interface
- Specific examples of how the plugin isn't working for you