



Biamp Tesira Module Setup Guide

About:

Tesira is the world's only integrated, networked audio and video processing and distribution platform.

Device Setup:

Please use the Biamp Tesira PC software for this part of setup.

The Tesira Unit must have its Telnet interface enabled to allow IP control of the unit. In the Tesira software, click on "Connect to Device". In that window prompt, click Device Maintenance and then Network Settings. Under the "Services" section, click on "Enable Telnet". If a password is desired, then enter here to protect the Telnet Interface.

With the Tesira software still open, load the unit's project file but do not connect to the device. Compass Control requires a list of the Instance Tags, which are only available to be viewed by loading the project file.

Locate these 6 blocks from the Tesira Schematic:

- Input Level
- Output Level
- VoIP Receive Level
- VoIP Transmit Level
- VoIP Control/Status
- VoIP Dialer

When viewing these blocks, open the Properties window and click on "DSP Properties" tab. Each block will have a unique Instance Tag. Write down these values for each block to understand the value mapping during Compass Control setup. Please note, not all blocks are required for setup. Write down only the values that are desired for control.

Setup Module:

Please open Compass Navigator for the remainder of setup.

In Compass Navigator, open the desired project to add the Tesira module. Please note that each Tesira Unit requires its own Tesira Module for control. Add as many modules as required.

Setup Communication:

Tesira units are controlled over IP on Port 23.

In Compass Navigator, please insert the IP Address under Device Properties. Please note that each Tesira unit requires its own module. Apply the IP Address to each module accordingly.

Setup Login:

In Compass Navigator, click on the Tesira device properties tab located under IP Devices. If the Telnet Interface is password protected, then enter the password under "Password" and the username under "Login". Click on "Login type" and set the value to "Common". These credentials are required for control if a password is protecting the Telnet Interface of the Tesira Unit.

Variable Setup in Module Editor Mode:

Using Compass Navigator, close the project file and open the Biamp Tesira module (located in the project's "_res" folder) with Module Editor.

In Compass Navigator Module Editor, click on the Variables tab located under Controller Designer. Here you will find the variables that must be set to the Biamp Tesira's Instance Tags.

From the Instance Tags recently written down from the Tesira Software, map the values to these Compass Control Variables:

| Compass Variable | Biamp Block |
|--|---------------------|
| _Programmer_Biamp_Instance Tag_Input | Input Level |
| _Programmer_Biamp_Instance Tag_Output | Output Level |
| _Programmer_Biamp_Instance Tag_VOIP_Rx | VoIP Receive Level |
| _Programmer_Biamp_Instance Tag_VOIP_Tx | VoIP Transmit Level |
| _Programmer_Biamp_Instance Tag_VOIP_Control | VoIP Control/Status |
| _Programmer_Biamp_Instance Tag_VOIP_Dialer | VoIP Dialer |

Select each `_Programmer_Biamp_InstanceTag_*` variable and set the value to the Tesira Block Instance Tag. Please set these Compass Control variables. These are required for control of the Tesira Unit.

There are two more variables that must be modified to control the Input Levels and Output Levels.

In the variables tab, click on the Input variable `_Programmer_Biamp_Input_Names` array. In the Variable Properties window, locate “Variable Type” and change the “Any” value with the actual number of Inputs in the system. Next, locate the “Initial Value” field and click on the “...” button. For each Input number, fill in each line with the input name, one name per line. The module will not work with undefined inputs.

In the variables tab, click on the Output variable `_Programmer_Biamp_Output_Names` array. In the Variable Properties window, locate “Variable Type” and change the “Any” value with the actual number of Outputs in the system. Next, locate the “Initial Value” field and click on the “...” button. For each Output number, fill in each line with the

output name, one name per line. The module will not work with undefined outputs.

There are two optional variables that must be modified to add Contact/Phonebook functionality to the Tesira Module.

In the variables tab, click on the name variable `_Programmer_Biamp_Voip_Contact_Names` array. In the Variable Properties window, locate “Variable Type” and change the “Any” value with the actual number of contacts to add. Next, locate the “Initial Value” field and click on the “...” button. For each contact, fill in each line with the Contact’s name, one name per line. The phonebook feature will not work with undefined contact names.

In the variables tab, click on the number variable `_Programmer_Biamp_Voip_Contact_Numbers` array. In the Variable Properties window, locate “Variable Type” and change the “Any” value with the actual number of contacts in the system (This number should be the same as the Contact Names array). Next, locate the “Initial Value” field and click on the “...” button. For each Contact number, fill in each line with the Contact’s number corresponding to the Contact Names number array, one number per line. The phonebook feature will not work with undefined contact numbers.

Setup Complete

The module setup is complete. Save the module and open the project back up. Upload and update the project for use.

Compass Control® Pro Offers:

- Audio Control
 - Input Level and Mute
 - Output Level and Mute
 - VoIP Receive Level and Mute
 - VoIP Transmit Level and Mute

- VOIP Control
 - Dialer
 - Line 1 and Line 2 status and control
 - Appearances 1-6 status and control

- Preset Control