



Atlas BlueBridge DSP Module Setup Guide

About:

AtlasIED BlueBridge® networkable DSP devices are powerful and flexible tools offering mission critical solutions to satisfy the exact needs of any installation. Engineered to strict standards with the highest quality internal components, BlueBridge® devices provide pure clean audio, Ethernet connectivity for cost effective TCP/IP control and easy programmability.

Device Setup:

Please use the BlueBridge PC software for this part of setup. The Gain, Mute, and Polarity objects must be programmed with 3rd party control names for Inputs and Outputs. This is required for proper control.

Load the unit's project file but do not connect to the device. Compass Control requires a list of the 3rd party control names, which are only available to be configured by loading the project file.

Locate the Gain, Mute, and Polarity controls for inputs and outputs. Using your keyboard and mouse use CTRL + Right Mouse Click to open the properties to create or rename the 3rd party control name for that element. Make sure to save the project after programming the names.

Once complete, upload the project to set the 3rd party control names to the live unit. The project must be uploaded to the device for 3rd control to work.

Under the "Project" tab, select "Device 3rd Party Control Elements...". This is the list of all elements used in the system. Export the list for reference when programming in Compass Navigator.

Add Module:

Please open Compass Navigator for setup.

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

Setup Communication:

BlueBridge units are controlled over TCP/IP on Port 10007.

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

Setup Login:

In Compass Navigator, click on the BlueBridge DSP device properties tab located under IP Devices. If the Interface is password protected, then enter the password under "Password". Click on "Login type" and set the value to "Common". These credentials are required for proper operation.

Variable Setup in Module Editor Mode:

Using Compass Navigator, right click on the BlueBridge DSP device and click “Edit Module” to jump into Module Editor (also located in the project’s “_res” folder).

In Compass Navigator Module Editor, click on the Variables tab located under Controller Designer. Here you will find the “_Programmer_BlueBridge” variables that must be set to control the BlueBridge DSP unit.

#1 - In the variables tab, click on the variable, `_Programmer_BlueBridge_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’s friendly name, one name per line. This name will display above the Input controls. The module will not work with undefined inputs.

#2 - In the variables tab, click on the variable, `_Programmer_BlueBridge_Input_Gain_IDs` 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 3rd party control name for the Input Gain, one name per line. This name will be used to control the input gain. The module will not work with undefined gain control names.

#3 - In the variables tab, click on the variable, `_Programmer_BlueBridge_Input_Mute_IDs` 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 3rd party control name for the Input Mute, one name per line. This name will be used to control

the input mute. The module will not work with undefined mute control names.

#4 - In the variables tab, click on the variable, `_Programmer_BlueBridge_Input_Polarity_IDs` 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 3rd party control name for the Input Polarity, one name per line. This name will be used to control the input polarity. The module will not work with undefined polarity control names.

#5 - In the variables tab, click on the variable, `_Programmer_BlueBridge_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’s friendly name, one name per line. This name will display above the Output controls. The module will not work with undefined outputs.

#6 - In the variables tab, click on the variable, `_Programmer_BlueBridge_Output_Gain_IDs` 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 3rd party control name for the Output Gain, one name per line. This name will be used to control the output gain. The module will not work with undefined gain control names.

#7 - In the variables tab, click on the variable, `_Programmer_BlueBridge_Output_Mute_IDs` 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 3rd party control name for the Output Mute, one name per line. This name will be used to control the output mute. The module will not work with undefined mute control names.

#8 - In the variables tab, click on the variable, `_Programmer_BlueBridge_Output_Polarity_IDs` 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 3rd party control name for the Output Polarity, one name per line. This name will be used to control the output polarity. The module will not work with undefined polarity control names.

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:

- Preset Control
- Input Control
 - Input Name Display
 - Gain
 - Mute
 - Polarity
- Output Control
 - Output Name Display
 - Gain
 - Mute
 - Polarity