

Partner: Biamp
Model: Tesira
Device Type: Digital Signal Processor



GENERAL INFORMATION

SIMPLWINDOWS NAME:	Biamp Tesira Router Control v3.1
CATEGORY:	DSP
VERSION:	3.1
SUMMARY:	This module controls a single output (or room) of the Biamp Tesira Router, RoomCombiner source selection or the SourceSelector object in the Biamp Tesira Server and Forte.
GENERAL NOTES:	<p>This Biamp Tesira Router Control v3.1 module is used to control either the Router, RoomCombiner or SourceSelector control objects. Because of the max size of the router (256x256), this module has been designed to control only a single output. So if you have the need to control multiple outputs of a Router, multiple instances will be needed, one for each output. The SourceSelector Attribute_Code is used for both the SourceSelector and RoomCombiner Biamp control objects.</p> <p>The following are required.</p> <p>Instance_Tag: Instance_Tag is the unique name that was assigned inside the Biamp Tesira Programming.</p> <p><i>Note: If your Instance_Tag has spaces in its name, surround the name with quotes using the \x22 hex escape sequence. Example: \x22My Name\x22</i></p> <p>Attribute_Code: Attribute_Code selection informs the module what Biamp Tesira object type to control, Router or SourceSelector. SourceSelector is used for both the RoomCombiner and the SourceSelector Biamp control objects.</p> <p>Router_Output: When using the Router Attribute_Code, this parameter assigns which output is supported by this module. When using the SourceSelector Attribute_Code on a RoomCombiner Biamp control object, this parameter is used to assign the room number to control. When using the SourceSelector Attribute_Code on a SourceSelector Biamp control object, this parameter is ignored.</p>
CRESTRON HARDWARE REQUIRED:	3-series & 4-series processors only (Note: use 1.X modules for 2-series processors)
SETUP OF CRESTRON HARDWARE:	This module requires the Biamp Tesira Command Processor IP v3.1 or the Biamp Tesira Command Processor RS232 v3.1 modules in order to operate. Please read the help files associated with these modules.
VENDOR FIRMWARE:	Tesira Firmware - 3.16.0.27

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**PARAMETER:**

Instance_Tag	Instance_Tag is the unique name, for the control object, that was assigned inside the Biamp Tesira Programming. <i>Note: If your Instance_Tag has spaces in its name, surround the name with quotes using the \x22 hex escape sequence. Example: \x22My Name\x22</i>
Attribute_Code	Attribute_Code selection informs the module what Biamp Tesira object type to control, Router or SourceSelector. SourceSelector is used for both the RoomCombiner and the SourceSelector Biamp control objects.
Router_Output	When using the Router Attribute_Code, this parameter assigns which output is supported by this module. When using the SourceSelector Attribute_Code on a RoomCombiner Biamp control object, this parameter is used to assign the room number to control. When using the SourceSelector Attribute_Code on a SourceSelector Biamp control object, this parameter is ignored.
Command_Processor_ID	Setting to indicate the ID for the command processor that this module will register itself with.

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CONTROL:

Poll_Router	D	Pulse to poll for the current value. If the control object that you are controlling has been able to successfully register a subscription, then this signal may not do anything. A subscription is a process of registering for unsolicited messages. Some Biamp Tesira Control objects have this capability.
New_Input	A	Sets input to be (de)routed. Valid range 0d– 256d. 256d is the highest allowed but managed by the definition of the Biamp Tesira control object.
Route_Input	D	Pulsing this will route the New_Input value to the assigned output. If the New_Input value equals zero, then it will de-route the output.
Deroute_Input	D	Pulsing this will de-route the output ONLY if the New_Input value equals Output_Routed.
Toggle_Input	D	Pulsing this will de-route the output ONLY if the New_Input value equals Output_Routed. If the New_Input value is greater than Zero and different than Output_Routed, it will route the New_Input value to the output.
Enable	D	Set High: Control Module Enabled. Set Low: Control Module Disabled. <i>Note: Use a 1 for normal operation.</i>

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**FEEDBACK:**

Is_Initialized	D	Signal is high to indicate the module has successfully received all required responses from its initializing queries.
Output_Routed	A	Current Input that is Routed to the assign Output.
Is_Routed	D	High to indicate the current output has an input routed to it.
Is_Quarantined	D	Signal is high to indicate that a component has failed to initialize because of configuration issues. The Command Processor will attempt to initialize the quarantined component again when a new connection has been established.

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**TESTING:**

OPS USED FOR TESTING:	CP3: v 1.601.3935.27221
SIMPL WINDOWS USED FOR TESTING:	4.11.06
CRES DB USED FOR TESTING:	200.00.004.00
DEVICE DATABASE:	200.00.015.00
SYMBOL LIBRARY USED FOR TESTING:	1112
SAMPLE PROGRAM:	Biamp Tesira v3.1 IP Demo Biamp Tesira v3.1 RS232 Demo Biamp TesiraLUX v3.1 IP Demo
REVISION HISTORY:	v2.0 – Initial Release v2.1 – Fixed Poll. v2.2 – No revisions have been performed. v2.3 – No revisions have been performed. v3.0 – Added SIMPL# event callbacks. Reworked module Registration, and added Enable signal. v3.1 – Added quarantine functionality.