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

GENERAL INFORMATION

SIMPLWINDOWS NAME:	Biamp Tesira Router Control v1.5
CATEGORY:	Mixer
VERSION:	1.5
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:	This module controls a single output of the Biamp Tesira Router or the SourceSelector object. This Biamp Tesira Router Control v1.5 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. ***The following are required***. **Instance_Tag**: Instance_Tag is the unique name that was assigned inside the Biamp Tesira Programming. *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* **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.
CRESTRON HARDWARE REQUIRED:	N/A
SETUP OF CRESTRON HARDWARE:	This module requires the Biamp Tesira Command Processor IP v1.5 or the Biamp Tesira Command Processor v1.5 modules in order to operate. Please read the help files associated with these modules for Crestron Hardware Setup.
VENDOR FIRMWARE:	Tesira Server - 2.3.0.24 Tesira Forte – 2.3.0.24

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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. *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*
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.

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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, than 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.
From_Processor	S	Serial data signal to be routed from one of the To_Module_* outputs on the Biamp Tesira Command Processor IP v1.5 module or the Biamp Tesira Command Processor v1.5 module.

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FEEDBACK:

Is_Initialized	D	Signal is high to indicate the module has successfully received a response from its initializing queries.
Output_Routed	A	Current Input that is Routed to the assign Output.
To_Processor	S	Serial data signal to be sent to the From_Modules input on the Biamp Tesira Command Processor IP v1.5 or the Biamp Tesira Command Processor v1.5 modules.

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TESTING:

OPS USED FOR TESTING:	PRO2: 4.008.0008 CP3: 1.010.0060
SIMPL WINDOWS USED FOR TESTING:	4.02.56
CRES DB USED FOR TESTING:	50.00.004.00
DEVICE DATABASE:	63.05.006.00
SYMBOL LIBRARY USED FOR TESTING:	933
SAMPLE PROGRAM:	Biamp Tesira IP v1.5 Demo CP3 Biamp Tesira IP v1.5 Demo PRO2 Biamp Tesira v1.5 Demo CP3 Biamp Tesira v1.5 Demo PRO2
REVISION HISTORY:	v1.0 – Initial Release v1.1 – Updated all of the control modules to unsubscribe prior to subscribing to fix RS232 initialization issues. Control modules have also been updated to disallow input control prior to control module being initialized. v1.2 - Updated to include control of the RoomCombiner. v1.3 – Added Crestron recommended updates to change the methods used for handling messages from the command processor to account for variations between 2 and 3 series processors. v1.4 – For RS232 control, replaced individual “unsubscribe” commands with a single “exit” command which unsubscribes from all messages. v1.5 – No revision performed.

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