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

GENERAL INFORMATION

SIMPLWINDOWS NAME:	Biamp Tesira Dialer Control v3.0
CATEGORY:	DSP
VERSION:	3.0
SUMMARY:	This module controls the Biamp Tesira TI Dialer and TI Control Status objects on the Biamp Tesira.
GENERAL NOTES:	In order to use this module you must assign two unique Instance Tags, Dialer_Instance_Tag and Control_Status_Instance_Tag. The Biamp Dialer control object provides functionality for Call and Directory Control, while Control Status provide for call status and incoming call features. Together they provide complete control. If a Tesira HD-1 Dialer is used, it takes the place of the dialer block usually used in Tesira software. The instance tag of the HD-1 should be entered in the Crestron control module accordingly. TI Receive and TI Transmit Level/Mute adjustment are supported by the Biamp Tesira Level Control v3.0 module and Biamp Tesira State Control v3.0 module.
CRESTRON HARDWARE REQUIRED:	3-series processor **only** (*Note: use 1.X modules for 2-series processors*)
SETUP OF CRESTRON HARDWARE:	This module requires the Biamp Tesira Command Processor IP v3.0 or the Biamp Tesira Command Processor RS232 v3.0 modules in order to operate. Please read the help files associated with these modules.
VENDOR FIRMWARE:	Tesira Firmware - 3.5.0.32

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CRESTRON
CERTIFIED **INTEGRATED** PARTNER

PARAMETER:	
Dialer_Instance_Tag	Dialer_Instance_Tag is the unique name of the Biamp Tesira TI Dialer object you wish to control. *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*
Control_Status_Instance_Tag	Control_Status_Instance_Tag is the unique name of the Biamp Tesira TI Control Status object you wish to control. *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*
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_Dialer	D	Pulse to poll for items that are not handled by subscriptions. A subscription is a process of registering for unsolicited messages. Some Biamp Tesira Control objects have this capability.
On_Hook, Off_Hook, Toggle_Hook	D	Pulse to control Hook.
Answer	D	Pulse to answer call.
Flash	D	Pulse to perform Hook-Flash.
Redial	D	Pulse to redial last call.
End	D	Pulse to end the call.
Auto_Answer_On, Off, Toggle	D	Pulse to control Auto-Answer.
Get_Caller_ID_Basic	D	Pulse to request basic call ID information. Must have an active incoming call.
Get_Caller_ID_Full	D	Pulse to request full call ID information. Must have an active incoming call.
Keypad_0-9, Star, Pound, Comma	D	Pulse to enter digits 0-9,* and # or comma(Pause) to Keypad_Text for dialing. If there is an active call, DTMF tones will be transmitted automatically.
Keypad_Clear, BackSpace	D	Pulse to edit Keypad_Text.
Keypad_Dial	D	Pulse to Dial Keypad_Text.
Keypad_DialEnteredText	D	Pulse to Dial "Keypad_EnteredText"
Keypad_EnteredText	S	Enter phone number to dial. Use "**Keypad_DialEnteredText" to dial this field.**
Select_Directory_Item_*	D	Pulse to select a displayed directory item. Will assign directory item for display to Selected_Directory_Item_Name_Text and Select_Directory_Item_Num_Text.
Dial_Selected_Directory_Item	D	Pulse to dial directory entry displayed in Selected_Directory_Item_Name_Text and Select_Directory_Item_Num_Text.
Select_Directory_Save_Location	A	Setting this value will pick the location in the directory to edit an entry. Valid values are 1d through 16d.
Directory_Save_Name_Text	S	Setting this value will assign the display text of the directory item location assigned by Select_Directory_Save_Location. Save_Directory_Item must be pulsed in order to finalize the save.
Directory_Save_Num_Text	S	Setting this value will assign the phone number of the directory item location assigned by Select_Directory_Save_Location. Save_Directory_Item must be

		pulsed in order to finalize the save.
Save_Directory_Entry	D	Pulse to save Directory_Save_Name_Text and Directory_Save_Num_Text to the directory item assigned by Select_Directory_Save_Location.
Enable	D	Set High: Control Module Enabled. Set Low: Control Module Disabled. *Note: Use a **1** for normal operation.*

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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.
Is_On_Hook, Is_Off_Hook	D	Indicates hook status.
Is_Dialing	D	Indicates dialing is in progress.
Has_Incoming_Call	D	Indicates incoming call.
Last_Number_Dialed_Text	S	Displays last number called.
Auto_Answer_Is_On	D	Indicates Auto-Answer is enabled.
Auto_Answer_Is_Off	D	Indicates Auto-Answer is disabled.
Call_ID_Num_Text, Call_ID_Name_Text	S	Displays caller ID information. Must pulse either Get_Caller_ID_Basic or Get_Caller_ID_Full during an incoming call in order to see the current values.
Keypad_Text	S	Displays the current entered telephone number.
Directory_Name_*_Text	S	Displays the name at the given directory index.
Directory_Number_*_Text	S	Displays the number at the given directory index.
Selected_Directory_Item	A	Indicates the index for the currently selected directory item.
Selected_Directory_Item_Name_Text	S	Displays the name of the currently selected directory item.
Selected_Directory_Item_Num_Text	S	Displays the number of the currently selected directory item.

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TESTING:

OPS USED FOR TESTING:	CP3: v1.503.0016
SIMPL WINDOWS USED FOR TESTING:	4.09.04
CRES DB USED FOR TESTING:	66.06.003.00
DEVICE DATABASE:	92.00.002.00
SYMBOL LIBRARY USED FOR TESTING:	1055
SAMPLE PROGRAM:	Biamp Tesira v3.0 IP Demo Biamp Tesira v3.0 RS232 Demo
REVISION HISTORY:	v2.0 – Initial Release v2.1 – Added Keypad_Comma, Keypad_DialEnteredText, and Keypad_EnteredText input signals. Fixed issue where the ControlStatus and Dialer instance tag names could not be similar. Fixed parsing issue with Last Number Dialed. v2.2 – No revisions have been performed. v2.3 – No modifications have been performed. v3.0 - Added SIMPL# event callbacks. Reworked module Registration, and added Enable signal.