



Manufacturer: Genelec
 Model: SmartIP Speaker range
 Device Type: Audio

GENERAL INFORMATION	
SIMPLWINDOWS NAME:	Genelec SmartIP v1.0
CATEGORY:	Volume
VERSION:	1.0
SUMMARY:	The module enables control of SmartIP speakers and provides status feedback.
GENERAL NOTES:	The module provides comprehensive control of Genelec SmartIP speakers, enabling functions such as volume adjustment, mute control, and power management. The module also offers extensive feedback and device information, to simplify management and troubleshooting.
CRESTRON HARDWARE REQUIRED:	4-Series processor
SETUP OF CRESTRON HARDWARE:	The Crestron processor must be on the same subnet as the speakers.
VENDOR FIRMWARE:	44x0-1.4.4-202411271622
VENDOR SETUP:	The speaker must be accessible from the network where the control processor is connected, using port 80.



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CONTROL:

Mute	D	Press to send Mute command, release to send Unmute command.
Power_On	D	Press to power on the speaker.
Power_Off	D	Press top power off the speaker.
Reboot	D	Press to reboot the speaker.
Identify_Device	D	While pressed, blinks LED of the speaker in orange. Can be used to identify specific speaker.
Recall_Profile	D	Recalls selected profile. Profile needs be selected using "Select_profile" join.
Poll_Dante	D	Press to poll Dante Name and Dante Mac address.
Poll_Network	D	Press to poll network info.
Poll_Volume_Mute	D	Press to poll Volume and Mute status.
Poll_Device_Info	D	Press to poll device model, firmware and barcode.
Poll_Power	D	Press to poll the power status of the device.
Poll_Events	D	Press to poll CPU load and temperature, device uptime, input level status.
Poll_Zone	D	Press to poll zone information.
Poll_Profile	D	Press to poll profile info.
Debug_Enable	D	Enables printing extensive debug info to the trace. Use only for temporary debugging and enable signal from debugger.
Volume	A	Use to adjust volume of the speakers in zone. Valid range -1300 to 0 (-130dB to 0dB). Value in 0.1dB
Select_Profile	A	Use to select profile to be recalled with "Recall_Profile"
IP_Address_String	S	IP address of the speaker being controlled. If not empty, overrides "IP_Address" parameter.



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Username_String	S	Username of the speaker being controlled. If not empty, overrides "Username" parameter. If value is empty, and "Username" parameter is "", module tries to use default username.
Password_String	S	Password of the speaker being controlled. If not empty, overrides "Password" parameter. If value is empty, and "Password" parameter is "", module tries to use default password.

FEEDBACK:		
Connected_Status	D	Indicates the connection status. Singal high is device is connected.
PowerOn_Status	D	Indicates the power status
Mute_Status	D	Indicates the mute status
PoePd15W_Status	D	Indicates if the device is operation in 15W PoE mode.
Selected_Zone_Id	A	Indicates the current zone ID
Selected_Profile	A	Indicates the selected profile.
Input_Level_Status	A	Indicates incoming audio signal level. Value in 0.1dB. For example -52.5dB would be analog value of -525.
Temperature_Status	A	Indicates temperature of the CPU in degrees Celsius.
CPU_Load_Status	A	Indicates the current CPU load %.
Poe_Allocated_Pwr	A	Indicates the currently allocated PoE power.
IP_Status	S	Indicates the current IP address.
Subnet_Mask_Status	S	Indicates the current Subnet,
Gateway_Status	S	Indicates the current Gateway,
IP_Mode_Status	S	Indicates the current IP mode (auto or static)
MAC_Address	S	Indicates MAC address of the connected device.



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Hostname	S	Indicates the Hostname of the connected device
Model	S	Indicates the Model of the connected device.
Firmware	S	Indicates the current Firmware version of the connected device.
Barcode	S	Indicates the Barcode of the connected device.
Power_Status	S	Indicates the current power status. (ACTIVE or STANDBY)
Selected_Zone_Name	S	Indicates the Selected Zone name
Dante_Name	S	Indicates the Dante name of the connected device
Dante_Mac	S	Indicates the MAC address on Dante virtual interface of the connected device
Uptime_Status	S	Indicates the current Uptime of the connected device

PARAMETERS:

IP_Address	S	IP address of the speaker being controlled. Ignored if "IP_Address_String" input is not empty.
Username	S	Username of the speaker being controlled. Ignored if "Username_String" input is not empty. If value is "", and "Username_String" input is empty, module tries to use default username.
Password	S	Password address of the speaker being controlled. Ignored if "Password_String" input is not empty. If value is "", and "Password_String" input is empty, module tries to use default password.



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TESTING:	
OPS USED FOR TESTING:	RMC4 2.8005.00012
SIMPL WINDOWS USED FOR TESTING:	4.3
DEVICE DB USED FOR TESTING:	200.385
CRES DB USED FOR TESTING:	228.00
SYMBOL LIBRARY USED FOR TESTING:	1216
SAMPLE PROGRAM:	Genelec SmartIP Demo v1.0 IP RMC4
REVISION HISTORY:	v1.0 – Initial release