

[ControlLabs] software - WMF51 Module

Help File



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[ControlLabs] software by

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Compatibility

This module was developed for and tested on 3-series and 4-series crestron processors using:

Device Database: 200.375 (build: 200.37500.002.00)

Crestron Database: 227.00 (build: 227.0000.003.00)

SIMPL Windows: 4.30 (build: 4.3000.01)

SIMPL+ 4.06 (build: 4.0600.00)

SIMPL+ Cross Compiler: 1.3

Prerequisites

1. The module must be connected to TX and RX of TCP/IP Client or COM Port.
2. It is recommended to initialize the module using the connection feedback from TCP/IP or after program starts when using COM.

Connecting to the Device

Default Port for TCP/IP is Telnet (23d).

Default Baud rate for COM is 57600.

Add only the SIMPL module named WMF51 Module. Do NOT add the SIMPL+ module to your program.

Inputs:

Name	Type	Value	Description
From_Device	Serial		RX Connection for the Module.
Init_Device	Digital		Pulse to initialize the Module to receive initial feedback.
PowerOn	Digital		Pulse to set device Power ON.
PowerOff	Digital		Pulse to set device Power OFF.
Reboot	Digital		Pulse to reboot device.
Auto_Standby_Delay	Analog	0d to 30d	Set Automatic Standby Delay Timer in minutes, 0 for OFF.
System_KeyOn	Digital		Pulse to set System Key to ON.
System_KeyOff	Digital		Pulse to set System Key to OFF.
Out_Source_Select	Analog	1d to 4d	Set input source for the output.
Video_MuteOn	Digital		Pulse to mute output video.
Video_MuteOff	Digital		Pulse to unmute output video.
OSD_On	Digital		Pulse to enable On Screen Display.
OSD_Off	Digital		Pulse to disable On Screen Display.
Display_Sidebar_On	Digital		Pulse to show side statusbar.
Display_Sidebar_Off	Digital		Pulse to hide side statusbar.
Force_Home_Screen	Digital		Force output display to default Home Screen.
Volume_Set	Analog	0d to 100d	Set output volume level.
Audio_Out_Mode	Analog	1d to 3d	Select output audio mode: 1 = Both 2 = Analog Only 3 = HDMI Only

Audio_IN_Mode	Analog	1d to 5d	Select input audio mode: 1 = Audio Mix 2 = Single Input 3 = Single Window 4 = First Input 5 = Last Input
Audio_Source	Analog	1d to 8d	Select output audio source: 1 to 4 = Inputs 1 to 4 (auto selects input mode) 5 to 8 = windows 1 to 4 (auto selects window mode)
Out_Auto_Layout_On	Digital		Pulse to enable auto layout switching mode.
Out_Auto_Layout_Off	Digital		Pulse to disable auto layout switching mode.
Out_Layout_Mode	Analog	1d to 11d	Select layout mode (disables auto mode): 1 = Single, 2 = Dual, 3 = Triple-T, 4 = Triple-L, 5 = Triple-B, 6 = Triple-R, 7 = Quad, 8 = Quad-B, 9 = Quad-R, 10 = Quad-T, 11 = Quad-L
Output_Multiview_Window	Analog	1d to 4d	Select output window to route selected input below. (Causes the route to happen)
Multiview_Window_Source	Analog	1d to 4d	Select input to be routed above. (Select this first)
Audio_Mix_Mute_Input_On	Digital		Pulse to mute input (1 to 4) in audio mix mode.
Audio_Mix_Mute_Input_Off	Digital		Pulse to unmute input (1 to 4).

Outputs:

Name	Type	Value	Description
To_Device	Serial		TX Connection for the Module.
Init_in_Progress	Digital		Remains High while device initializes (~6 seconds).
Name	Serial		Populates with device name. Example: WMF51
Firmware	Serial		Populates with device firmware version. Example: V1.4.0
PowerOn_FB	Digital		High when device is Powered ON.
PowerOff_FB	Digital		High when device is Powered OFF.
Auto_Standby_On_FB	Digital		High when Automatic Standby is Enabled.
Auto_Standby_Off_FB	Digital		High when Automatic Standby is Disabled.
Auto_Standby_Delay_FB	Analog	0d to 30d	Returns Automatic Standby Delay Value in minutes.
System_KeyOn_FB	Digital		High when System Key is ON.
System_KeyOff_FB	Digital		High when System Key is OFF.
Out_Source_Select_FB	Analog	1d to 4d	Returns active input feedback.
Video_MuteOn_FB	Digital		High when video output is muted.
Video_MuteOff_FB	Digital		High when video output is unmuted.
OSD_On_FB	Digital		High when OSD menu is enabled.
OSD_Off_FB	Digital		High when OSD menu is disabled.
Display_Sidebar_On_FB	Digital		High when statusbar is shown.
Display_Sidebar_Off_FB	Digital		High when statusbar is hidden.
Volume_FB	Analog	0d to 100d	Returns output volume level.
Audio_Out_Mode_FB	Analog	1d to 3d	Returns active output audio mode.

Audio_IN_Mode_FB	Analog	1d to 5d	Returns active input audio mode.
Audio_Source_FB	Analog	1d to 8d	Returns active audio input.
Out_Auto_Layout_On_FB	Digital		High when auto layout switching mode is enabled.
Out_Auto_Layout_Off_FB	Digital		High when auto layout switching mode is disabled.
Out_Layout_Mode_FB	Analog	1d to 11d	Returns active output layout mode.
Output_Multiview_Window _Input_FB	Analog	1d to 4d	Returns active input for the window (1 to 4).
Audio_Mix_Mute_Input_On _FB	Digital		High when input (1 to 4) is muted in audio mix.
Audio_Mix_Mute_Input_Off _FB	Digital		High when input (1 to 4) is unmuted in audio mix.