



Manufacturer: World Wide Programming B.V.
Model: WWP Panel AV v1.0
Device Type: Software module - WWP Home Config

CONTACT SUPPORT: (please fill out carefully)

COMPANY NAME:	World Wide Programming B.V.
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NOTES:	Website: https://www.worldwideprogramming.nl . Support in English and Dutch; please include the processor model, firmware and the Status / License_Status text of WWP Core.

GENERAL INFORMATION

SIMPLWINDOWS NAME:	WWP Panel AV v1.0
CATEGORY:	User Interface
VERSION:	1.0
SUMMARY:	TV or audio of the routed room for one touch panel (contract smart object TV with Kind 1, Audio with Kind 2): power, source selection (up to 30 sources) and volume.
GENERAL NOTES:	One instance per touch panel. All WWP Panel modules of one panel share the same Panel_Number; the room that panel is routed to (WWP Panel Rooms) decides what this module shows. Signal names follow the WWP Panel UI contract (CH5), so the module can be wired straight to the panel smart object. Use two instances per panel: Kind 1 for the TV smart object and Kind 2 for the Audio smart object. Holding Volume_Up / Volume_Down ramps the volume by 2 % per 200 ms. Smart object on the WWP Panel UI: TV / Audio. Requirements: WWP Core (once per program) and the SIMPL# library WwpConfig.clz in the same folder as the program. All WWP modules communicate with each other inside the processor; no extra wiring between modules is needed. Start-up: the module does not send any commands to devices at boot. After the configuration is loaded it only publishes the current state (names, visibility, feedback) so panels and logic are correct straight away. Licensing: part of the commercial WWP Home Config package (licenses S / M / L, 7-day trial per processor). See "WWP Home Config v1.0 Help.pdf" for the



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	complete system description.
CRESTRON HARDWARE REQUIRED:	4-Series control system (developed and tested on RMC4). 3-Series is not supported.
SETUP OF CRESTRON HARDWARE:	4-Series control system. Copy WwpConfig.clz next to the .smw program, add WWP Core once, then add the WWP modules you need. Load the program, open the web configuration (http://<processor-ip>:8090/) and enter the rooms, devices and panels.
VENDOR FIRMWARE:	N/A - software module (no third-party device).
VENDOR SETUP:	In the web configuration: Sources and Rooms > TV / Audio.
CABLE DIAGRAM:	N/A - logic module, no device connection.

CONTROL:

<u>Signal/Function Name</u>	<u>D,S,A</u>	<u>Digital, Serial, Analog signal property - description</u>
Power_On / Power_Off	D	From TV Audio.On / Off.
Volume_Up / Volume_Down	D	From VolumeUp / VolumeDown (high while held).
Mute_Toggle	D	From Mute: toggle mute.
Source_Select	A	From Source: select source 1-30.
Volume	A	From Volume: volume 0-65535 (slider).

FEEDBACK:

Power_On_Fb / Power_Off_Fb	D	To On_Fb / Off_Fb.
Visible	D	To Visible: routed room has this TV / audio.
Mute_Fb	D	To Mute_Fb.
Volume_Visible	D	To Volume_Visible: room has volume control.



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Source_Visible[1-30]	D	To SourceNN_Visible.
Source_Fb	A	To Source_Fb: active source 1-30, 0 = none.
Volume_Fb	A	To Volume_Fb.
Source_Name[1-30]	S	To SourceNN_Name.

PARAMETERS:

Panel_Number	A	Panel number in the WWP config (panels[].nr). Default 1. Use the same number on every WWP Panel module of one touch panel.
Kind	A	1 = TV smart object, 2 = Audio smart object.

TESTING: (please fill out carefully)

OPS USED FOR TESTING:	RMC4 - firmware 2.8005.00031
SIMPL WINDOWS USED FOR TESTING:	4.3200.02.01
DEVICE DB USED FOR TESTING:	200.470.001.00
CRES DB USED FOR TESTING:	228.60.002.00
SYMBOL LIBRARY USED FOR TESTING:	1244
SAMPLE PROGRAM:	WWP Software-InterfaceDemo (touch panel: WWPInterfaceDemo_v1.ch5z, contract WWPInterfaceDemo.chd)
REVISION HISTORY:	v1.0 - initial release.