

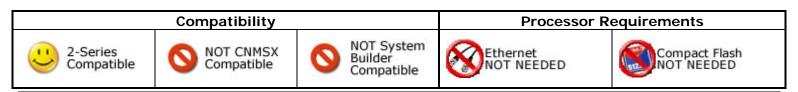
Panasonic WJ-HD309/16 DVR Module v1 Module Application Guide

Description

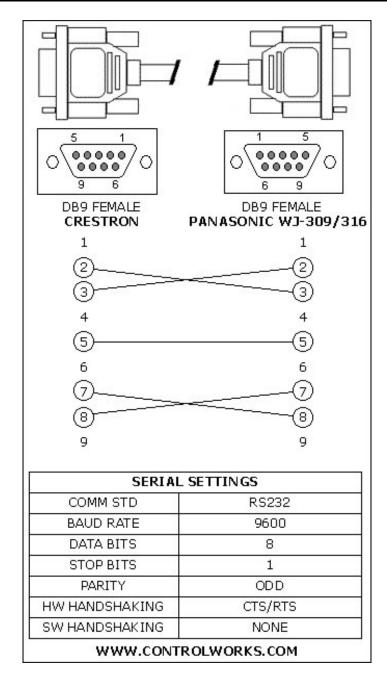
This module allows a Crestron 2-Series processor to control a Panasonic WJ-HD 309/316 DVR via RS-232. Controls include camera selection, single or multi camera screen display, transport controls, event search by date and time, and menu navigation controls. This module also provides telemetry control for PTZ cameras such as the Panasonic WV-CS Series PTZ Camera.

Supported Processor

Any 2-Series processor with an open RS-232 COM port.



Serial Cable Pinout



Note on pre-made serial cabling: Build a custom cable according to the diagram above. If using a pre-made cable ensure that no additional pins are populated in the cable. As Crestron comports are non-standard ports undesirable behavior may result if the Crestron port sees logic level voltage on pins 1,4,6 or 9.

Module Application

This module allows a Crestron 2-Series control processor to control a Panasonic WJ-HD Series DVR via RS-232. Control via TCP-IP is not supported.

Supported models include:

- WJ-HD309A (supports nine cameras)
- WJ-HD316A (supports sixteen cameras)

The suffix in the part number after "/" indicates the hard drive capacity and has no control implications.

DVR Login Information

For this module to connect to the Panasonic DVR you must enter the 'User Name' and 'Password' in the parameter field at the bottom of the module. The default name is 'ADMIN' and the default user password is '12345'. These two parameters must be entered using a total of **32 characters**. If the DVR does not see a 32 character user name and password, you will not be able to connect to the DVR. Please see the example program for the correct formatting when entering this information into the parameter field. A login name of 'ADMIN' must be followed by 27 blank spaces for a total length of 32 characters. This is also true for the user password. A user password of '12345' must be followed by 27 blank spaces for a total length of 32 characters.

Here is an example of how to enter the User Name and Password into the parameter fields at the bottom of the module:

USER NAME

USER PASSWORD

Signal and Parameter DescriptionsBracketed signals such as "[signal_name]" are optional signals

DIGITAL INPUTS

THE THE OTS	
[dvr_login]	
[dvr_logout]	. pulse to logout of the dvr
[camera_recall_preset1-20]	. pulse to recall camera preset location, presets are
	stored in the camera
[camera_zoom_in]	
[camera_zoom_out]	
	·
[camera_focus_near]	
[camera_focus_far]	·
[pan_left]	
[pan_right]	
[tilt_up]	
[tilt_down]	. pulse to tilt camera down
[auto_pan_on]	. pulse to turn on auto pan feature
[auto_pan_off]	pulse to turn off auto pan feature
[auto_pan_speed+]	· ·
[auto_pan_speed-]	
[bw_on]	
[bw_off]	
[bw_auto]	
[multi_screen_4/7/9/10/13/16]	
[text_display_on]	1 3 01 3
[text_display_off]	1 3 31 3
[play]	
[pause_playback]	. pulse to pause playback
[stop_playback]	. pulse to stop playback and return to live video
[record_manual]	pulse to start manual recording
[stop_record]	·
[stop_both]	
[fast_forward_one_field]	
[skip_and_play_forward_normal]	
[skip_and_play_forward_x2/x5/x10/x20/x50/x100]	
[rewind_one_field]	
[skip_and_play_rewind_normal]	
[skip_and_play_rewind_x2/x5/x10/x20/x50/x100]	
[skip_and_play_forward/rewind_half]	
[playback_year_up]	
[playback_year_down]	. pulse to decrement playback year
[playback_month_up]	. pulse to increment playback month
[playback_month_down]	. pulse to decrement playback month
[playback_day_up]	· ·
[playback_day_down]	
[playback_hour_up]	
[playback_hour_down]	
[playback_minute_up]	
[playback_minute_down]	· ·
[playback_second_up]	
INIAMPACK SACOND DOWN!	. pulse to decrement playback second

[setup_menu_on] [setup_menu_off] [menu_up] [menu_down] [menu_left] [menu_right] [menu_increment] [menu_decrement] [menu_decrement] [menu_page_next_page_(FWD)] [menu_page_previous_page_(BACK)] [menu_move_up_one_level_(ESC)] [menu_virtual_menu_(SET)]	pulse to exit on-screen setup menu pulse to move cursor up pulse to move cursor down pulse to move cursor left pulse to move cursor right pulse to increment menu value pulse to decrement menu value pulse to advance menu selection or page pulse to move back menu selection or page pulse to move cursor up one level or escape
ANALOG INPUTS [select_monitor] [camera_number]	select the monitor output using an analog initialize select a camera using an analog initialize, changing the camera selection works for live video as well as playback
SERIAL INPUTS [Panasonic_dvr_rx\$]	serial rx\$ from the dvr com port
DIGITAL OUTPUTS [dvr_login_password_or_name_error] [dvr_login_succeeded] [dvr_login_failed]	at login pulses high to indicate successful login
ANALOG OUTPUTS [playback_year] [playback_month] [playback_day] [playback_hour] [playback_minute] [playback_second]	displays playback month as 2 digit analog displays playback day as 2 digit analog displays playback hour as 2 digit analog displays playback minute as 2 digit analog
SERIAL OUTPUTS Panasonic_dvr_tx\$ [dvr_login_status] [playback_year_month_day\$] [playback_hour_minute_second\$]	serial string indicating login status serial string formatted yyyy-mm-dd for playback
PARAMETERS Unit ID Username (32 chars) Password (32 chars)	enter the username as setup on the DVR

Support

This module is supported by ControlWorks Consulting, LLC. Should you need support for this module please email support@controlworks.com or call us at 440-449-1100. ControlWorks normal office hours are 9 AM to 5 PM Eastern, Monday through Friday, excluding holidays.

Before calling for support, please ensure that you have loaded and tested operation using the included demonstration program and touchpanel(s) to ensure that you understand the correct operation of the module. It may be difficult for ControlWorks to provide support until the demonstration program is loaded.

Updates, when available, are automatically distributed via Email notification to the address entered when the module was purchased. In addition, updates may be obtained using your username and password at http://www.controlworks.com/customerlogin.aspx.

Distribution Package Contents

The distribution package for this module should include:

Panasonic_WJ-HD_3xx_v1.umc	. Crestron User Module to control DVR
Panasonic_WJ_HD309_v1.smw	. Demo program for QM-RMC processor
Panasonic_WJ_HD309_v1.vtp	. Demo X-Panel Project
Panasonic_WJ_HD_DVR_Help_v1.pdf	. This help file

Revision History

V1 <u>lee@controlworks.com</u> 2010.03.16 -Initial Release

Development Environment

This module version was developed on the following hardware and software. Different versions of hardware or software may or may not operate properly. If you have questions, please contact us.

Panasonic Hardware	Firmware Version
Panasonic WJ HD-309	1.52
Crestron Hardware	Firmware Version
Crestron QM-RMC	4.001.1012
Software	Software Version
Crestron SIMPL Windows	2.11.27
Crestron Vision Tools Pro-e	4.0.19
Crestron Database	21.02.016.00
Crestron Symbol Library	653
Crestron Device Library	653

ControlWorks Consulting, LLC Module License Agreement

Definitions:

ControlWorks, We, and Us refer to ControlWorks Consulting, LLC, with headquarters located at 701 Beta Drive, Suite 22 Mayfield Village, Ohio 44143-2330. You and Dealer refer to the entity purchasing the module. Client and End User refer to the person or entity for whom the Crestron hardware is being installed and/or will utilize the installed system. System refers to all components described herein as well as other components, services, or utilities required to achieve the functionality described herein. Module refers to files required to implement the functionality provided by the module and may include source files with extensions such as UMC, USP, SMW and VTP. Demo Program refers to a group of files used to demonstrate the capabilities of the Module, for example a SIMPL Windows program and VisionTools Touchpanel file(s) illustrating the use of the Module but not including the Module. Software refers to the Module and the Demo Program.

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Provision of Support

We provide limited levels of technical support only for the most recent version of the Module as determined by Us. We do not provide support for previous version of the module, modifications to the module not made by Us, to persons who have not purchased the module from Us. In addition, we may decline to provide support if the Demo Program has not been utilized. We may withdraw a module from sale and discontinue providing support at any time and for any reason, including, for example, if the equipment for which the Module is written is discontinued or substantially modified. The remainder of your rights and obligations pursuant to this license will not be affected should ControlWorks discontinue support for a module.

Modification of Software

You may not decrypt (if encrypted), reverse engineer, modify, translate, disassemble, or de-compile the Module in whole or part. You may modify the Demo Program. In no event will ControlWorks Consulting, LLC be liable for direct, incidental or consequential damages resulting from You modifying the Software in any manner.

Indemnification/Hold Harmless

ControlWorks, in its sole and absolute discretion may refuse to provide support for the application of the Module in such a manner that We feel has the potential for property damage, or physical injury to any person. Dealer shall indemnify and hold harmless ControlWorks Consulting LLC, its employees, agents, and owners from any and all liability, including direct, indirect, and consequential damages, including but not limited to personal injury, property damage, or lost profits which may result from the operation of a program containing a ControlWorks Consulting, LLC Module or any component thereof.

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