

Partner: DMP
 Model: XR500
 Device Type: Security System



GENERAL INFORMATION

SIMPLWINDOWS NAME:	DMP XR500 Control Processor v1.4.0
CATEGORY:	Security
VERSION:	1.4.0
SUMMARY:	This module controls all of the TCP/IP communications with the DMP XR500.
GENERAL NOTES:	<p>This module queues the commands that need to be sent to the DMP XR500. It controls sending those commands. It also processes the feedback from the DMP XR500.</p> <p>There are two pieces of information that the DMP installer must provide. The account number and the remote key.</p> <p>This module requires both a TCP/IP Client and a TCP/IP Server. The TCP/IP Server is now internal to the Simpl+/Simpl#. The TCP/IP Server in Simpl Windows is not required.</p> <p>The valid ranges of zones are 1-10, 11-14, 21-24, 31-34, 41-44, 51-54, 61-64, 71-74, 81-84, 91-94, 101-104, 111-114, 121-124, 131-134, 141-144, 151-154, 161-164, 500-599, 600-699, 700-799, 800-899, 900-999.</p> <p>This module has a group of outputs called To_Zone_Modules_Zones_*-to_*. These outputs are to be routed to the DMP XR500 Output Control modules that will be controlling the zones in that range.</p> <p>This module uses a TCP/IP server in Simpl#. There is no TCP/IP Server required in Simpl Windows.</p> <p>THIS MODULE IS 3-SERIES ONLY.</p>
CRESTRON HARDWARE REQUIRED:	3-Series control processor with Ethernet
SETUP OF CRESTRON HARDWARE:	<p>TCP/IP Client Port: 2001</p> <p>TCP/IP Server Port: 2001</p>
VENDOR FIRMWARE:	XR500N/203 05/01/09
VENDOR SETUP:	<p>The XR500 tested at Crestron was set up using DMP's Remote Link software.</p> <p>Remote Options window:</p> <ol style="list-style-type: none"> 1) Enter a remote key. 2) Check the Disarm Remotely box. 3) Set Service Receiver to Yes. 4) Set Alarm Receiver to Yes. <p>PC Log Reports window:</p> <ol style="list-style-type: none"> 1) Set the Comm Type to Net 2) Check the boxes for Arm/Disarm Reports, Zone Reports, Door Access

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	<p>Reports and Real-Time Status.</p> <ol style="list-style-type: none"> 3) Enter the IP Address of the Crestron processor. 4) Enter the port number 2001. <p>Zone Information window:</p> <ol style="list-style-type: none"> 1) You must check the Real-Time Status box for each zone you want reported to the Crestron processor. <p>Area Information window:</p> <p>Click on the More button. This will bring up the System Area Information window. Check the Open/Close Reports box.</p> <p>Communication Paths window:</p> <ol style="list-style-type: none"> 1) Click New. 2) Set Comm Type to Network 3) Set Path Type to Primary 4) Set Supervision Test Report to No 5) Set Checkin Use Checkin to No 6) Enter the IP Address of the Crestron processor 7) Enter the port number 2001. 8) Click Apply or OK.
CABLE DIAGRAM:	Ethernet

CONTROL:

From_Modules	S	Serial signal to be routed from all other DMP XR500 control modules.
Client_Connected	D	Digital signal to be routed from the Connect-F output of the TCP/IP Client symbol.
Client_From_Device	S	Serial signal to be routed from the RX\$ output of the TCP/IP Client symbol.

PARAMETERS:

Account Number	P	Enter the account number for the XR500 panel to be controlled.
Remote Access Key	P	Enter the remote key for the XR500 panel to be controlled.
Ethernet Interface	P	Select the LAN port interface that the DMP will connect through. Choices are LAN interface or Control Subnet. Default is LAN interface.
Max Number Of Connections	P	Enter the maximum number of TCP/IP Server connections to be allowed. Valid range is 1 to 20. Default is 20. The default should work for most installations.
IP Address Allowed	P	Enter the IP address to be allowed to connect to the TCP/IP Server. Default is 0.0.0.0. The default value allows any IP Address to connect to the TCP/IP Server.
Port	P	Enter the port number for the TCP/IP Server connection. Default is 2001.

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FEEDBACK:

To_Area_Modules	S	Serial signal to be routed to all area control modules.
To_Zone_Modules_Zones_*_to_*	S	Serial signals to be routed to groups zone control modules.
To_Output_Modules	S	Serial signal to be routed to all output control modules.
Server_Enable	D	Digital signal to be routed to the Enable input on the TCP/IP Server symbol.
Client_Connect	D	Digital signal to be routed to the Connect input on the TCP/IP Client symbol.
Client_To_Device	S	Serial signal to be routed to the TX\$ input on the TCP/IP Client symbol.

TESTING:

OPS USED FOR TESTING:	1.501.0013
SIMPL WINDOWS USED FOR TESTING:	4.03.24
CRESTRON DB USED FOR TESTING:	57.00.003.00
DEVICE DB USED FOR TESTING:	76.00.002.00
SAMPLE PROGRAM:	DMP XR500 v1.4.0 Demo
REVISION HISTORY:	<p>V. 1.0 – Original release.</p> <p>V. 1.1 – Changed the processor module to connect to the XR500 only when there are commands to send. It now uses a TCP/IP Server to allow the XR500 to send automatic updates.</p> <p>V. 1.3 – Added outputs to provide more efficient processing of the zone feedback. Also fixed an issue with us sending the acknowledge reply at the incorrect time.</p> <p>V. 1.3.3 – Change the Simpl+ to better handle processing the data coming in from the TCP/IP server and TCP/IP client. Also added two outputs to the DMP XR500 Area Control module to indicate that the system is in the process of arming or disarming.</p> <p>v. 1.3.4 – Changed the module to use a TCP/IP Server in Simpl#. The module is now for 3-Series modules only. Changed the method that the module uses to send Ack responses to the server.</p> <p>V1.4.0 – Added code to process area status request responses.</p>