

**Partner: TiVO**  
**Model: Bolt**

### GENERAL INFORMATION

<b>SIMPLWINDOWS NAME:</b>	TiVo Dvr Ethernet v1.0
<b>CATEGORY:</b>	Tuners
<b>VERSION:</b>	1.0
<b>VERSION DATE:</b>	7/26/2018
<b>DESCRIPTION:</b>	Basic control of a Tivo Dvr using ethernet
<b>GENERAL NOTES:</b>	<p>This module was written to provide basic control of the TiVo Dvr.</p> <p>The user is required to place the TivoTcp.dll Simpl# library file in the control system's "User" directory. The program must be made using:  crestron_database_68.06.001.00 or greater  device_database_94.00.001.00 or greater</p> <p>These are required because the driver .dll uses several library references located in the databases.</p> <p>To use, supply the module with the path to the library file.  e.g. <a href="#">\\User\\TivoTcp.dll</a></p> <p>This module will handle the socket connection to the device internally.</p>
<b>CRESTRON HARDWARE REQUIRED:</b>	3 Series Processor
<b>TRANSPORTS SUPPORTED:</b>	IP

### CONTROL:

<b>LoadDriver</b>	D	Pulse to load the driver specified in the DriverFile path.
<b>DriverFile</b>	S	Signal to pass the driver file path for loading the driver
<b>IP_Address</b>	S	Signal used to set the IP Address of the device being controlled
<b>Port</b>	A	Analog value used to specify the IP port being used. If set to 0 then the port defined by the driver library will be used
<b>Connect</b>	D	Signal used to start the socket connection to the device
<b>Disconnect</b>	D	Signal used to stop the socket connection to the device
<b>Reconnect</b>	D	Signal used to reconnect the socket connection to the device
<b>ChannelUp</b>	D	Press to send the Channel Up command to the connected device

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<b>ChannelDown</b>	D	Press to send the Channel Down command to the connected device
<b>Guide</b>	D	Press to send the Guide command to the connected device
<b>SetChannel</b>	S	Signal used to directly set the channel number of the connected device
<b>ForwardScan</b>	D	Press to send the Forward Scan command to the connected device
<b>ReverseScan</b>	D	Press to send the Reverse Scan command to the connected device
<b>Play</b>	D	Press to send the Play command to the connected device
<b>Pause</b>	D	Press to send the Pause command to the connected device
<b>Stop</b>	D	Press to send the Stop command to the connected device
<b>ForwardSkip</b>	D	Press to send the Forward Skip command to the connected device
<b>ReverseSkip</b>	D	Press to send the Reverse Skip command to the connected device
<b>Back</b>	D	Press to send the Back command to the connected device
<b>UpArrow</b>	D	Press to send the Up Arrow command to the connected device
<b>DownArrow</b>	D	Press to send the Down Arrow command to the connected device
<b>LeftArrow</b>	D	Press to send the Left Arrow command to the connected device
<b>RightArrow</b>	D	Press to send the Right Arrow command to the connected device
<b>Select</b>	D	Press to send the Select command to the connected device
<b>Clear</b>	D	Press to send the Clear command to the connected device
<b>Exit</b>	D	Press to send the Exit command to the connected device
<b>Menu</b>	D	Press to send the Menu command to the connected device
<b>_0</b>	D	Press to send the Key 0 command to the connected device
<b>_1</b>	D	Press to send the Key 1 command to the connected device
<b>_2</b>	D	Press to send the Key 2 command to the connected device
<b>_3</b>	D	Press to send the Key 3 command to the connected device
<b>_4</b>	D	Press to send the Key 4 command to the connected device
<b>_5</b>	D	Press to send the Key 5 command to the connected device

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<b>_6</b>	D	Press to send the Key 6 command to the connected device
<b>_7</b>	D	Press to send the Key 7 command to the connected device
<b>_8</b>	D	Press to send the Key 8 command to the connected device
<b>_9</b>	D	Press to send the Key 9 command to the connected device
<b>Enter</b>	D	Press to send the Enter command to the connected device
<b>Dash</b>	D	Press to send the Dash command to the connected device
<b>Dvr</b>	D	Press to send the DVR command to the connected device
<b>Live</b>	D	Press to send the Live command to the connected device
<b>Record</b>	D	Press to send the Record command to the connected device
<b>SpeedSlow</b>	D	Press to send the Speed Slow command to the connected device
<b>A</b>	D	Press to send the A command to the connected device
<b>B</b>	D	Press to send the B command to the connected device
<b>C</b>	D	Press to send the C command to the connected device
<b>D</b>	D	Press to send the D command to the connected device
<b>Info</b>	D	Press to send the Info command to the connected device
<b>Last</b>	D	Press to send the Last command to the connected device
<b>Replay</b>	D	Press to send the Replay command to the connected device
<b>ThumbsUp</b>	D	Press to send the Thumbs Up command to the connected device
<b>ThumbsDown</b>	D	Press to send the Thumbs Down command to the connected device
<b>EnableLogging</b>	D	Press and Hold to enable logging from the connected device
<b>EnableTxDebug</b>	D	Press and Hold to enable Tx debug from the connected device
<b>EnableRxDebug</b>	D	Press and Hold to enable Rx debug from the connected device

**FEEDBACK:**

**DriverLoaded**                      D     Signal used to indicate that the driver has been loaded

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<b>Connection_F</b>	D	Signal used to indicate if the device is currently Connected
<b>Channel_F</b>	S	Signal used to indicate if the device supports Channel Feedback
<b>Log</b>	S	Signal used to output the current driver Log when Logging is Enabled

## TESTING:

<b>OPS USED FOR TESTING:</b>	CP3N Cntrl Eng [v1.503.3318.22306 (Feb 01 2018)]
<b>SIMPL WINDOWS USED FOR TESTING:</b>	4.09.04
<b>DEVICE DB USED FOR TESTING:</b>	94.00.001.00
<b>CRES DB USED FOR TESTING:</b>	68.06.001.00
<b>SYMBOL LIBRARY USED FOR TESTING:</b>	1060
<b>SAMPLE PROGRAM:</b>	Tivo Dvr Demo v1.0.smw
<b>REVISION HISTORY:</b>	v1.0 – Initial Release