

**Partner: TiVo**  
**Model: Series 3 HD**  
**Device Type: DVR**



## GENERAL INFORMATION

<b>SIMPLWINDOWS NAME:</b>	TiVo Series 3 HD v1.1
<b>CATEGORY:</b>	DVR
<b>VERSION:</b>	1.1
<b>SUMMARY:</b>	Controls the TiVo Series 3 HD DVR.
<b>GENERAL NOTES:</b>	This module will provide control of the TiVo Series 3 HD DVR via TCP/IP by providing the same controls as the handheld remote as well as direct channel entry. Must use port 31339d in TCP/IP client definition. The TiVo MUST have at least v9.3a software installed.
<b>CRESTRON HARDWARE REQUIRED:</b>	C2NENET-1, C2NENET-2
<b>SETUP OF CRESTRON HARDWARE:</b>	TCP/IP Port 31339d is the default.
<b>VENDOR FIRMWARE:</b>	9.3a
<b>VENDOR SETUP:</b>	None
<b>CABLE DIAGRAM:</b>	N/A

## CONTROL:

<b>Up</b>	D	Press for menu up.
<b>Down</b>	D	Press for menu down.
<b>Left</b>	D	Press for menu left.
<b>Right</b>	D	Press for menu right.
<b>Select</b>	D	Pulse for select.
<b>TiVo</b>	D	Pulse to goto TiVo menu.
<b>LiveTV</b>	D	Pulse to view live TV.
<b>Thumbs_Up</b>	D	Pulse for thumbs up user rating.
<b>Thumbs_Down</b>	D	Pulse for thumbs down user rating.

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Channel_Up	D	Pulse for channel up.
Channel_Down	D	Pulse for channel down.
Record	D	Pulse to record.
Display	D	Pulse to display channel information.
Aspect	D	Pulse to scroll through aspect ratios.
Key_*	D	Pulse to trigger digits 0 through 9.
Key_Enter	D	Pulse for enter function.
Key_Clear	D	Pulse for clear function.
Play	D	Pulse to play.
Pause	D	Pulse to pause.
Slow	D	Pulse for slow motion playback.
Reverse	D	Pulse to reverse scan. Pulse to jog reverse while in pause mode.
Forward	D	Pulse to forward scan. Pulse to jog forward while in pause mode.
Guide	D	Pulse to display guide.
Replay	D	Pulse to replay last 8 seconds of program.
Advance	D	Pulse to skip to live TV or back to beginning of viewing buffer.
Info	D	Pulse to display program information
Teleport_TiVo	D	Pulse to display TiVo menu.
Teleport_LiveTV	D	Pulse to view live TV.
Teleport_Guide	D	Pulse to display guide.
Teleport_NowPlaying	D	Pulse to view now playing list and recorded programs.
Direct_Channel_Dash	D	Pulse to enter dash for direct channel function.

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Direct_Channel_Enter	D	Pulse to send channel request to unit.
Direct_Channel_Back	D	Pulse to backspace one character in the outgoing Channel_Display\$ serial field.
Direct_Channel_Clear	D	Pulse to clear the outgoing Channel_Display\$ serial field.
Direct_Channel_Entry_*	D	Pulse to select channel number.
{{TCP/IP_Client_>>_Connect-F}}	D	Connect to "Connect-F" output from the TCP/IP client definition that will be communicating with the TiVo.
{{TCP/IP_Client_>>_status}}	A	Connect to the "status" output from the TCP/IP client definition that will be communicating with the TiVo.
{{TCP/IP_Client_>>_RX\$}}	S	Connect to the "RX\$" output from the TCP/IP client definition that will be communicating with the TiVo.

## FEEDBACK:

Channel_Display\$	S	Serial output displaying current channel and channel changing status.
Connect-F	D	Indicates TCP/IP connection status with TiVo unit. Goes high if a connection is present.
status	A	Indicates details of TCP/IP status with regards to connection with TiVo unit: 0d = Not connected 1d = Waiting for connection 2d = Connected 3d = Connection failed 4d = Connection broken remotely 5d = Connection broken locally
{{Connect_>>_TCP/IP_Client}}	D	To be connected to the "Connect" input of the TCP/IP client definition that will be communicating with the TiVo.
{{TX\$_>>_TCP/IP_Client}}	S	To be connected to the "TX\$" input of the TCP/IP client definition that will be communicating with the TiVo.

## PARAMETERS:

Port Number	A	This parameter is used by System Builder and has no effect when this module is being used in a program developed in Simpl Windows. Default is 31339d.
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**TESTING:**

<b>OPS USED FOR TESTING:</b>	v3.155.1240
<b>SIMPL WINDOWS USED FOR TESTING:</b>	v2.10.24
<b>CRES DB USED FOR TESTING:</b>	v19.2.5
<b>SYMBOL LIBRARY USED FOR TESTING:</b>	v538
<b>SAMPLE PROGRAM:</b>	TiVo Series 3 HD v1.1 Demo PRO2.smw
<b>REVISION HISTORY:</b>	v1.0 – Demo version v1.1 – Initial release