

**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>	<p>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 or later installed.</p> <p>NOTE: With the recent service update to version 9.4 and with all other updates, the default setting for network control on your TiVo DVR will be set to "off". This has been done to ensure the security of your home network. If you wish to make use of network control with your TiVo DVR you will need to enable this feature.</p> <p>To enable Network Remote Control, go to TiVo Central&gt;Messages &amp; Settings&gt;Remote, CableCARD &amp; Devices.</p>
<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.

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



LiveTV	D	Pulse to view live TV.
Thumbs_Up	D	Pulse for thumbs up user rating.
Thumbs_Down	D	Pulse for thumbs down user rating.
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.

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



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.
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.

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

**PARAMETERS:**

<b>Port Number</b>	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.
--------------------	---	---

**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