

Using the Escient Vision Media Server with the Philips Pronto TSU9400/9600/9800

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Overview

This document describes how to control the Escient Vision Media Server from the Philips Pronto TSU9400/9600/9800 remotes using IR or serial control signals.

System Requirements

The following items are required for controlling your Vision from a Pronto remote:

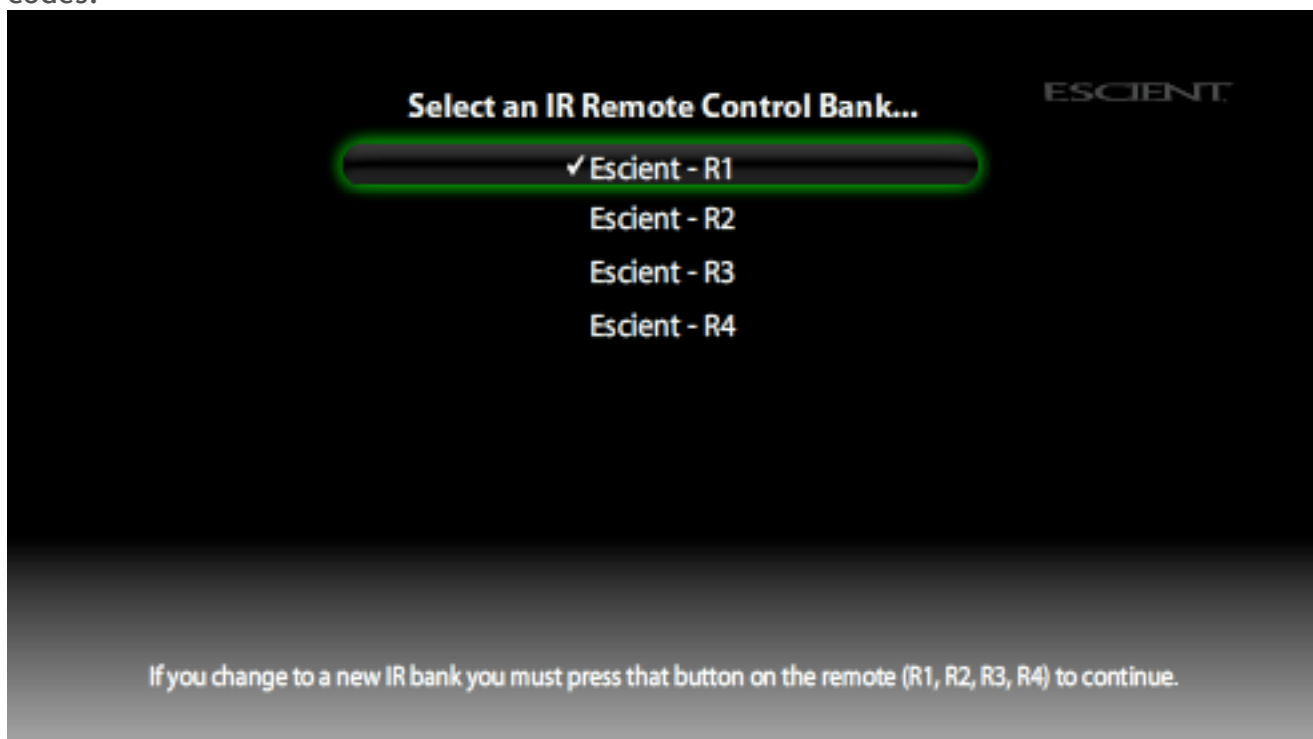
- Escient Vision client (VS or VC)
- Pronto TSU9400 (firmware 5.0.6) TSU9600 (firmware 5.0.6) or TSU9800 (firmware 6.0.2.1) remote
- ProntoEditProfessional 2 (PEP2) running on Windows XP/Vista
- The “VisionOneWay.xcf” PEP2 project file (available from the Escient web site)
- The “VisionOneWay.db” PEP2 database file (available from the Escient web site)
- If you plan on controlling Vision using one-way serial commands, you will need the following:
 - A Keyspan USA-19HS adapter <http://keyspan.com/products/usa19hs/>
 - A NULL Modem cable or NULL modem adapter
 - A Philips RFX9600 Serial Extender

Configuring the Vision for IR Control

Configure Vision's IR Code Bank

Follow these steps to configure your Vision to “listen” for specific IR codes from one of the four possible IR code banks (R1, R2, R3, or R4)

1. Using the IR remote, select SETUP/EXTERNAL CONTROL/IR REMOTE CONTROL from Vision's on-screen menu.
2. Select the IR bank that you wish to use for this Vision client.
3. Select the corresponding IR code bank on the remote (the four blue buttons at the top of the remote labeled R1, R2, R3, and R4) and test that Vision in fact is listening to the correct IR codes.



Configuring Vision for Serial Control

Connecting Vision to an RFX9400 Serial Extender

The Vision does not have built-in RS-232 DB-9 serial ports however it does offer several USB ports. If you plan on controlling Vision using serial commands, you will have to purchase the optional Keyspan USB adapter and a NULL modem cable. Make the connection between the RFX9400 and the Vision as follows:

Vision USB Port -> Keyspan Adapter -> NULL Modem cable -> RFX9400 Serial port 1

Please note that if you need to connect more than 1 USB to serial adapter to Vision you will need the Keyspan USA-49wg 4 port Serial adapter instead of multiple single port USA-19HS adapters. See the Keyspan web site for more details.

<http://keyspan.com/products/usa49wg/>

Enabling Serial Control on Vision

Follow these steps to configure your Vision to “listen” for specific serial codes from one of the USB ports:

1. Using the IR remote, select SETUP/EXTERNAL CONTROL/SERIAL PORT MANAGER from Vision’s on-screen menu.
2. Select the EXTERNAL CONTROL until you see the desired COM port appear on the right. Note that you will get an error that no serial ports are available until you connect a Keyspan USB to Serial adapter.

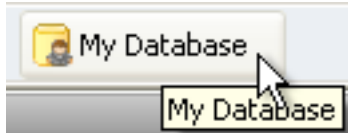


Configuring the Pronto

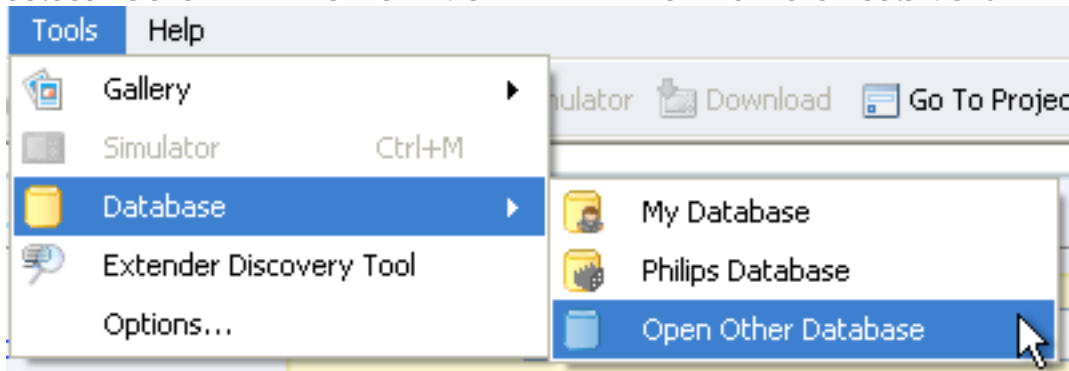
Follow these steps to configure your Pronto to connect to your Vision. Note that the database commands are designed for use on PEP2 only. They will not work in PEP1.

Add the Vision Commands to your “MY DATABASE” of components

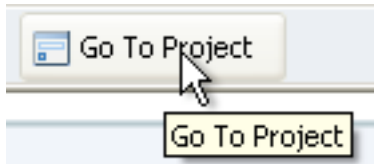
1. Open ProntoEditPro 2 on your PC
2. Click on MY DATABASE from the toolbar.



3. Select TOOLS/DATABASE/OPEN OTHER DATBASE from the Tools Menu



4. Select the “VisionOneWay.db” file. This file contains the IR and Serial commands to control Vision.
5. Select all 5 components and click the ADD TO MY DATABASE button at the bottom.
6. Click on GO TO PROJECT from the toolbar.



7. The Vision control commands are now in your “MY DATABASE” file.

Using the Sample Vision Control Activity

The “VisionOneWay.xcf” files is one example of how to communicate with the Vision using the Pronto TSU9600 remote. The same buttons and codes can be placed in a TSU9400 or TSU9800 project from within PEP2.

1. Open ProntoEditPro 2 on your PC (if it is not already open)
2. Open the “VisionOneWay.xcf” file in PEP2.
3. Click on the Escient Vision Activity on the Project Overview tab.
4. Make sure your Pronto is connected to your computer and click the DOWNLOAD button on the tool bar to load the sample file into your Pronto.



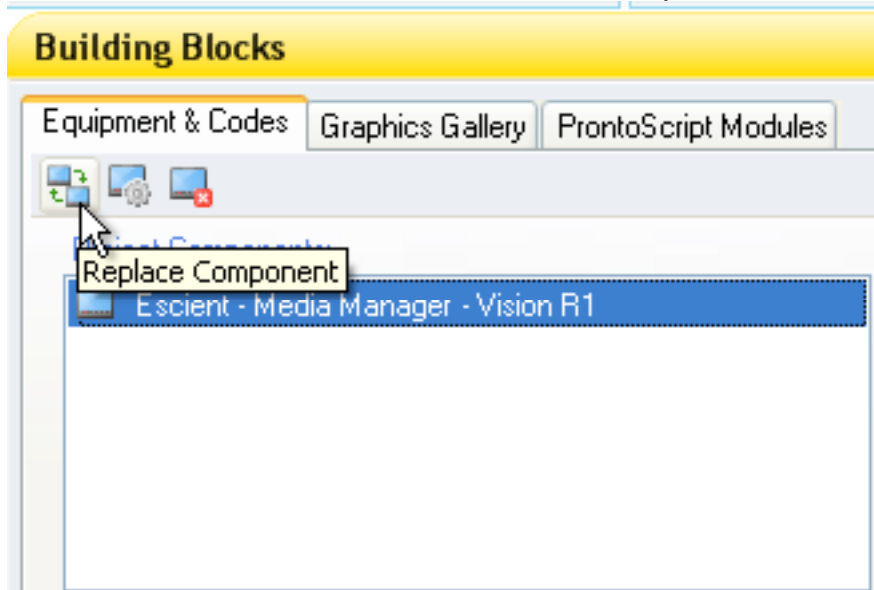
5. Test the Pronto using your Vision. Make sure that Vision is set to use IR code bank R1.

Selecting a Different Code Bank or Serial Code Bank

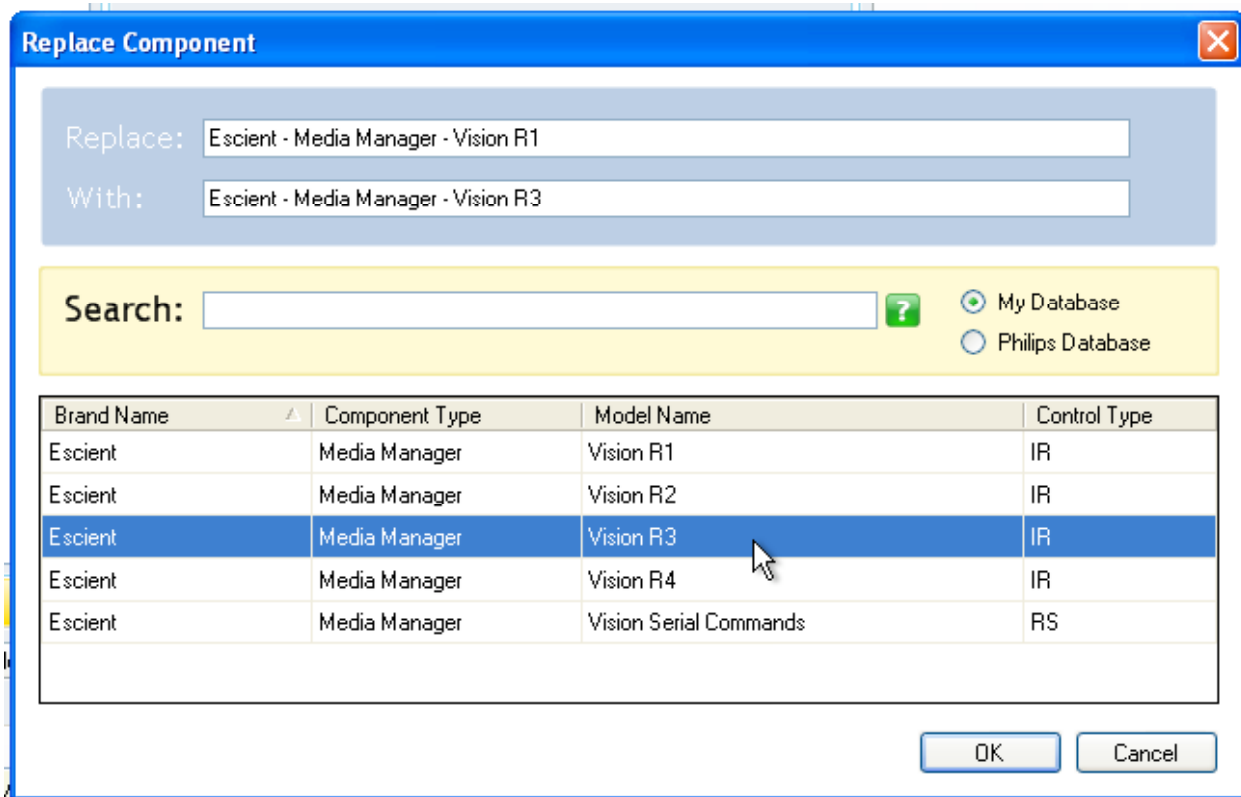
Vision can be configured to listen to IR commands from one of four different IR code banks. This makes it easy to control multiple Vision clients located in the same rack with different IR communications. The sample XCF is setup to control a Vision on code bank R1.

To select a different IR code bank or to control Vision using serial commands, please follow these steps:

1. Select Vision R1 in the Building Blocks tab
2. Click the REPLACE COMPONENT icon at the top of the Building Blocks tab



3. In the Replace Component dialog box, select the IR code bank (or the serial bank) that you want to use instead of IR bank R1 and click OK.



4. All of the buttons in the sample XCF are now configured to control a Vision that is set to R3 (or whichever bank you selected). Download the configuration and test your remote.