



PAN6400 Installation Guide

Addendum

Panorama *PANVP700* Video Port

The *PANVP700* Video Port provides a way of connecting to a video display from a source connected to the Panorama *PAN6400* Video Distribution Center (VDC). The *PANVP700* also features an IR receiver input and ships with an IR receiver. If you have the source remote, you can control the source from any room that has a *PANVP700* connected to that source. The *PANVP700* is designed for installations using the *PAN6400* as a standalone device or a *PAN6400* that is controlled by a third-party controller using RS-232.

NOTE: The *PAN6400* IR receiver is disabled if the *PAN6400* is connected to a *Musica*™ system. *Musica* keypads already provide this functionality.

NOTE: Use standard, unshielded CAT5e cable for wiring between the *PAN6400* and the *PANVP700* and terminate it using the 568a standard.

The *PANVP700* ships with:

- a *NetStreams* IR receiver,
- wall plate,
- five Cable Length Compensation (CLC) cards (in 50-, 250-, 500-, 750-, and 1000-ft increments).

NOTE: The *PANVP700* comes with the 250-ft CLC card already inserted into the CLC slot on the back panel.

Panels

Figure 1 shows the front and back panels of a *PANVP700*.

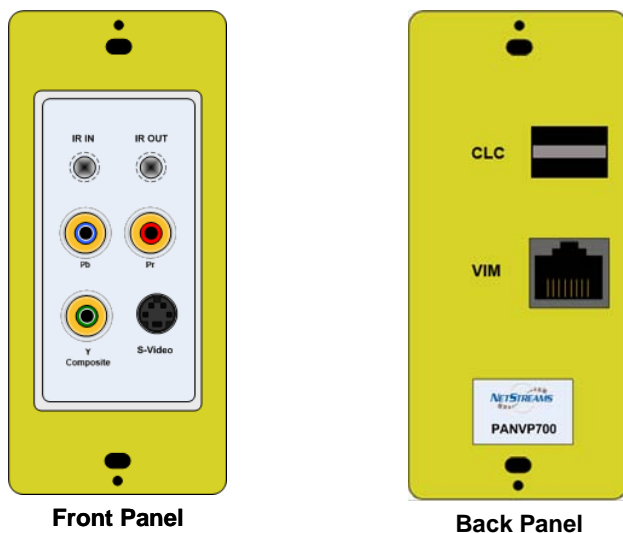


Figure 1 *PANVP700* front and back panels.

Front Panel

The front of the *PANVP700* supports the following interfaces:

- IR In - Connects to a *PAN6400* IR receiver.
- IR Out - Connects an IR emitter to the video source.
- Pb/Pr - Connects to component display devices.
- Y/Composite - Lets you connect composite or component display devices and digital audio to the *PAN6400* using a yellow or green RCA connector.
- S-Video lets you connect S-Video to a display.

Rear Panel

The back panel of the *PANVP700* includes:

- CLC - this is an expansion slot for maximizing signal processing based on the distance the cable runs from the *PANVP700* to the *PAN6400*. The operation is handled by inserting the CLC card closest to the length of cable you are running (see Table 2). CLC cards come in 50 ft, 250 ft, 500 ft, 750 ft, and 1000 ft allotments (included with your *PANVP700*). The 250-ft CLC card is pre-inserted for your convenience.

Table 1
CLC Usage

CLC Card	Covers a Cable Length of
50	1 to 50 feet
250	51 to 250 feet
500	251 to 500 feet
750	501 to 750 feet
1000	751 to 1000 feet

See Figure 2 for an example of how to insert a CLC card into the *PANVP700*.

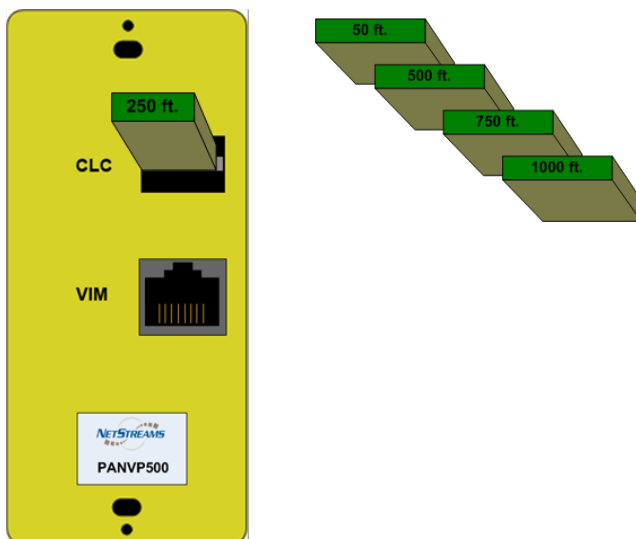


Figure 2 CLC card (insertion)

- Video Interface Module (VIM) port - uses RJ-45 connections to connect the *PANVP700* with the room outputs on the *PAN6400*.

Connecting IR

Figure 3 shows how to connect IR to and from the *PANVP700*. To connect IR, complete the following steps:

1. Connect the 3.5 mm phono jack of the *NetStreams* IR receiver (included) to the IR IN port of the *PANVP700*.
2. Place the *NetStreams* IR receiver in a location where it can receive the IR signal from the source remote.

NOTE: When placing the *NetStreams* IR receiver, choose a location that is shaded from fluorescent light. The *NetStreams* IR receiver works best if the dome is placed so that the dome faces the IR remote.

3. Connect IR emitter to the IR window on the front of the display.
4. Connect the 3.5 mm phono jack to the IR OUT port of the *PANVP700*.

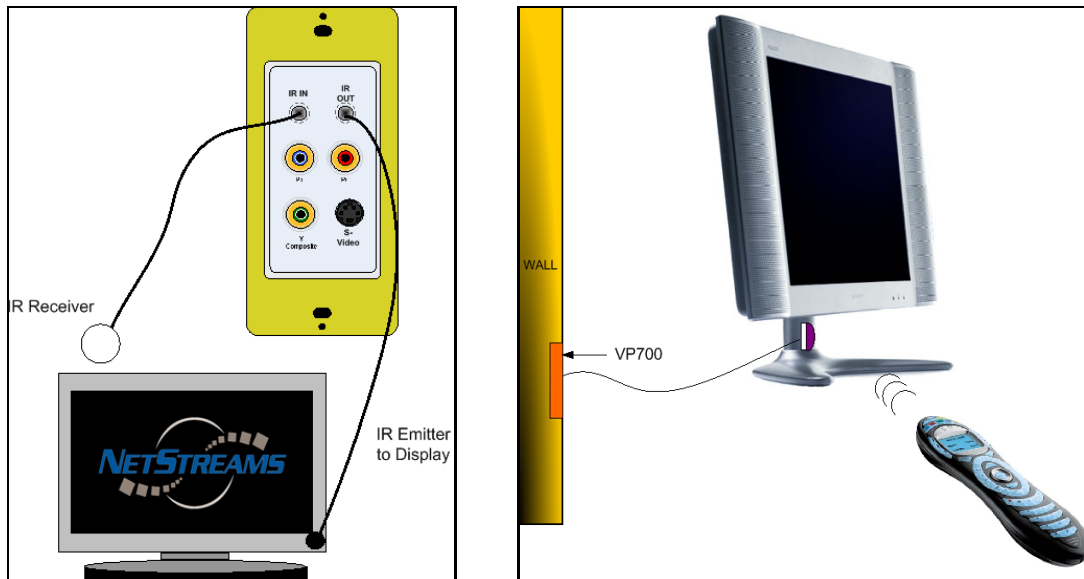


Figure 3 Connecting *PAN6400* IR receiver and emitter

Learning Source IR to the *PAN6400*

IR codes are divided into two states when a *PANVP700* is connected:

- Room IR
- Source IR

NOTE: When using third party systems to control the *PAN6400*, you may need to store the source IR into the *PAN6400*.

NOTE: Always stand within 18 inches of the receiver on the *PAN6400* when programming IR. Stay away from fluorescent light or ambient sunlight as both will affect data transmission.

There is a time out after thirty seconds to perform each task.

1. Turn the *PAN6400* on.
2. Standing within 18 inches of the IR window on the *PAN6400*, point the *PAN6400* remote control at the window.

3. Press and hold the **Menu** button on the *PAN6400* remote for two seconds.
Lights on the *PAN6400* will flash on and off. This means you've entered Learning mode.
 4. Press the down arrow.
The LED turns from green to red. The first red light under "Source" indicates you are on the first step of IR Learning.
 5. Use the left and right arrow keys on the remote to select the source you want to program.
When the LED on the front of the *PAN6400* is on for that source, that source is being programmed.
 6. Press the command (such as "Play") you want to program on the *PAN6400* remote.
The second red light under "Source" activates. This indicates you have completed the second step of IR Learning.
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NOTE: The LEDs on the *PAN6400* that are labeled "Display" are used for the sources.

When learning source IR, the Display LEDs on the *PAN6400* indicate the source being learned. For example, if the LED for Room 1 is lit, Source 1 is being programmed. Room 2 is Source 2, and so on. Since only four sources are available for programming, the Room 5 and 6 LEDs are reserved for special functions.

7. From the remote for the source, press the button to be learned into the *PAN6400*.
8. Press the button again on the source remote.
If IR is learned, the room and source LEDs will once again light in and out.
If IR is not learned, the source LEDs flash rapidly.
9. To exit Programming mode, press the **Menu** button.