

Golden Tee Showpiece™ Cabinet Video and Audio Connections Guide



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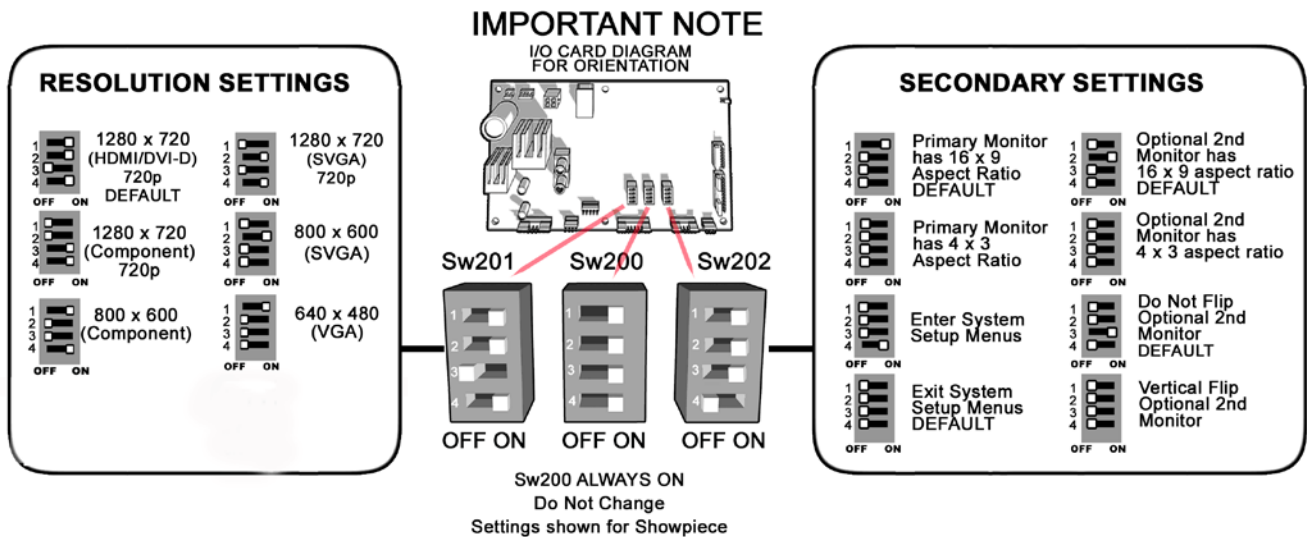
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Diagram Reference

DIP Switches

HDTV MONITOR APPLICATION



Television Inputs



Rear Television Inputs - Example



Helpful Tips Before Starting

- When choosing a television, verify that it is capable of displaying the minimum resolution type for a Showpiece cabinet: 720p.
- If using an HDTV as a secondary monitor, reference page 9 for further information.
- Make sure to power ON the television and select the correct video input before powering up the game.
- Make sure that the DIP switch SW-202 (Switch 1) is in the ON position to enable 16:9 aspect ratio when running 1280x720 resolution.
- (For GT 2009 ONLY) If the Nighthawk System Box is labeled with Product # 900095XXXX the box has a 915/965 motherboard, and there is NOT an audio signal outputting across the HDMI connector, you must source the system box audio outputs for sound (RCA contacts next to the power supply).
 - If your television is NOT equipped with RCA Inputs designated to a HDMI input, route RCA Cables to the I/O Board RCA inputs to output sound across the cabinet speakers.
- When routing audio through the television, the Game Volume Setting needs to be adjusted up to 75%. Then use the television volume control as the Master Volume.
- In the event the image being displayed is overshooting *or* not extending to the perimeter of the screen, increase or decrease the image size by going to **Main Menu → Troubleshooting Shortcuts → Screen Size Adjustments**. When finished select **DONE**, and the game will reset to configure the new screen size setting.

Golden Tee LIVE

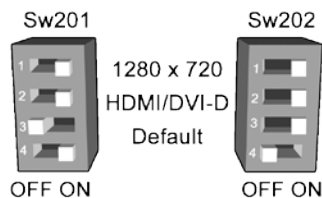
HDMI (Product #900000298R or 900000307R for 2010)

VIDEO: Connect the HDMI cable from the system box to the HDMI input on the HDTV. Select the proper input on the HDTV.

AUDIO: HDMI audio (No other connections necessary)

DIP SWITCH SETTINGS: (Standard 720P HDTV)

Prior to power up set the DIPs as shown:



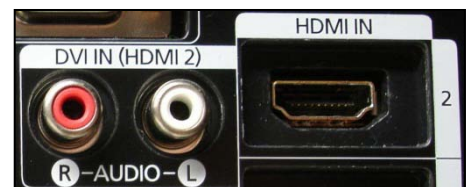
This port configuration is the same for both GT 2009 and 2010 Nighthawk system boxes

HDMI (Product #900095298 or 900095307 for 2010)

VIDEO: Connect the HDMI cable from the system box to the HDMI input on the HDTV. Select the proper input on the HDTV.

AUDIO: If the HDTV has RCA audio L/R inputs associated with an HDMI input, it is possible to use the HDTV speakers.

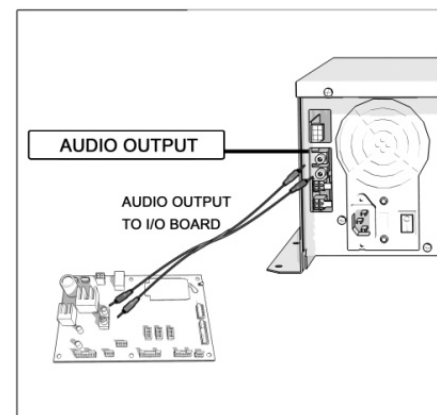
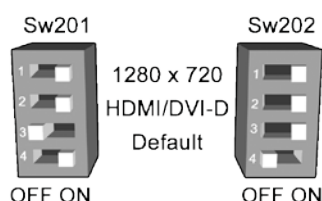
- Using a 2-wire RCA cable (red and white) connect the RCA audio outputs on the system box to the audio L/R input next to the HDMI input on the HDTV.
- If your television is NOT equipped with RCA inputs designated to a HDMI input, route your RCA cables to the I/O Board RCA inputs to output sound across the cabinet speakers. (See diagram at right.)



Example of HDMI Input with RCA Inputs

DIP SWITCH SETTINGS: (Standard 720P HDTV)

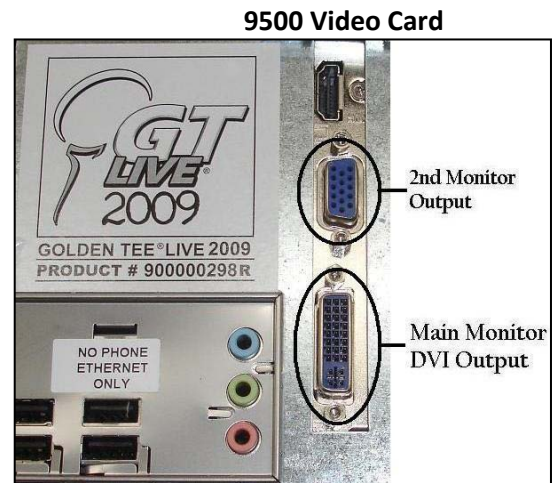
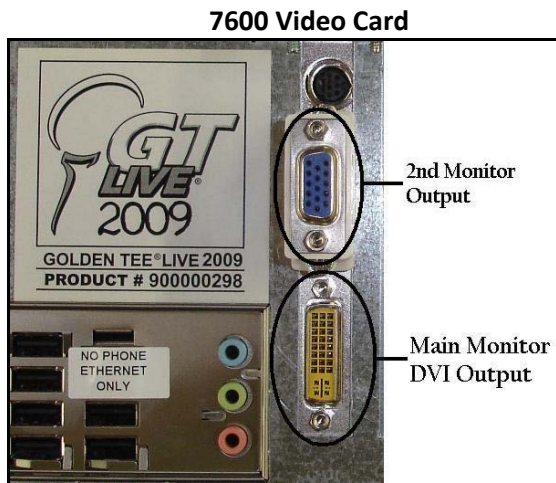
Prior to power up set the DIPs as shown:



Route RCA cables to I/O Board if no RCA Inputs

DVI to HDMI

VIDEO: To expose the DVI Output, remove the DVI to VGA Adapter from the lower port on the video card. Below are the two types of Video Cards for GT LIVE 2009:



Connect a DVI to HDMI Cable (or DVI to HDMI Adapter w/ a HDMI Cable) to the Main Monitor DVI Output. Run the HDMI end to the desired HDMI input of the television.

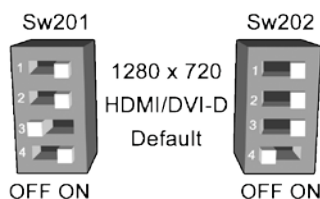
Note: DVI to HDMI is only necessary with a 9500 video card when using a secondary monitor. Some televisions designate which input should be used for DVI to HDMI connections.

AUDIO: For the 9500 Video Card, see HDMI (Product #900095298R) settings on page 5. For the 7600 Video Card, see Component settings on page 7.

DIP SWITCH SETTINGS:

(Standard 720P HDTV)

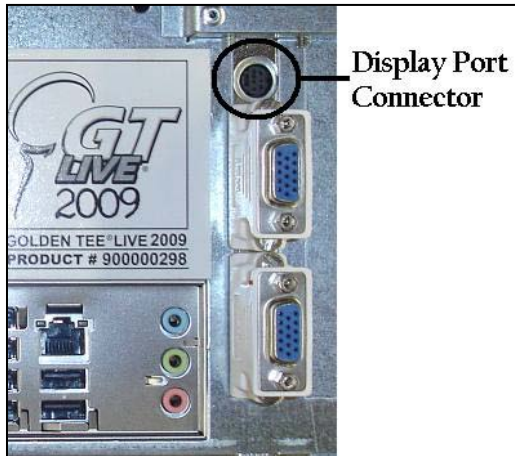
Prior to power up set the DIPs as shown:



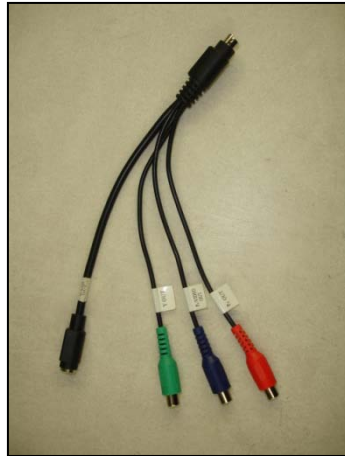
Note: In the event the image being displayed is overshooting *or* not extending to the perimeter of the screen, you may increase or decrease the image size by going to **Main Menu → Troubleshooting Shortcuts → Screen Size Adjustments**. When finished select **DONE**, and the game will reset to configure the new screen size setting.

COMPONENT (Product #900000298 or 900000307)

VIDEO: Using the component adapter, connect the Display Port on the system box to the Video Component In on the rear of the television (Red-Pr, Green-Y and Blue-Pb, or RGB).



Display Port Connector



Component Adapter

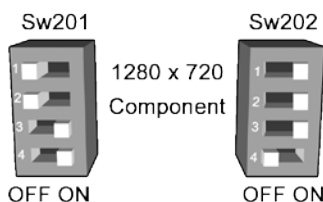


Video Component In - Example

AUDIO: Connect the 2-wire RCA (red and white) audio cable from the RCA Audio Out on the system box to the same input of the television used for the component cables.

DIP SWITCH SETTINGS: (Standard 720P HDTV)

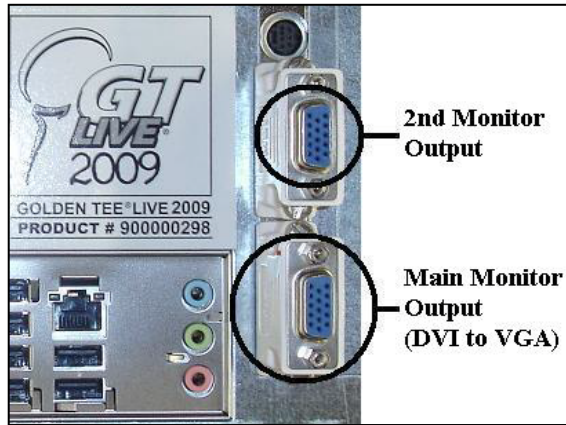
Prior to power up set the DIPs as shown:



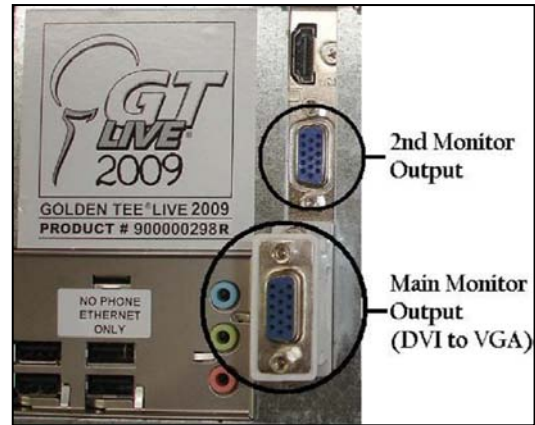
System Box Audio Output

VGA (For either 7600 or 9500 Video Card)

7600 Video Card

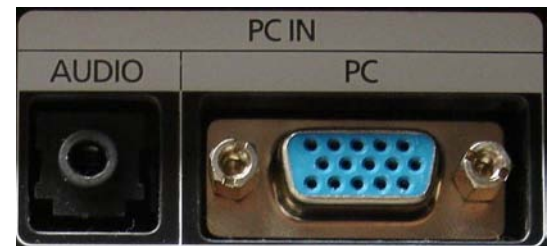


9500 Video Card



VIDEO: Connect the VGA cable to the lower port of the video card with the DVI to VGA adapter. Run the VGA cable to the PC input (VGA) of the television.

AUDIO: Connect the 2-wire RCA (red and white) audio cable from the RCA audio out on the system box to a 1/8th-inch Stereo Y-Adapter. Connect to the television PC audio input.

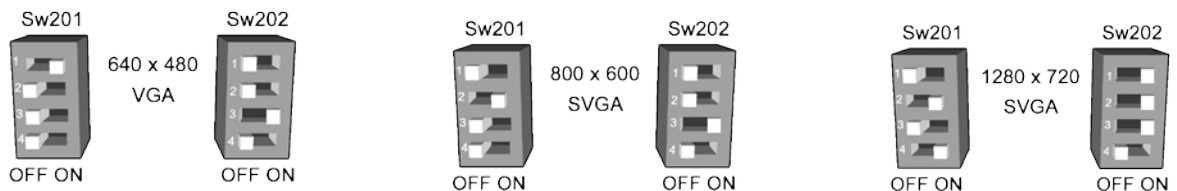


Example of PC Input with 1/8th-inch Audio Input

Note: PC Inputs on most televisions accept an 800x600 signal. *Some* models will only display a 640x480 signal and *others* will accept up through a 1280x720 signal across VGA, but not all. See television specifications for details.

DIP SWITCH SETTINGS:

Prior to power up set the DIPs as shown:



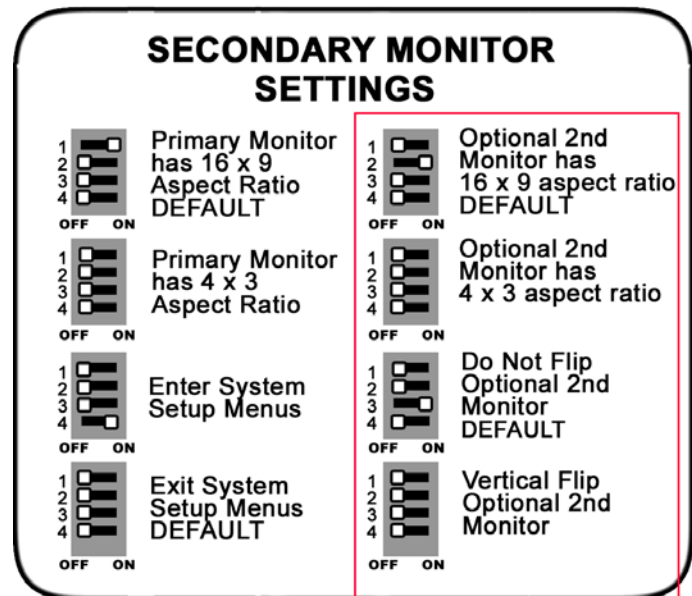
Note: For secondary monitor configuration, see the following page.

Secondary Monitor Configuration

Important: When the main monitor is connected to the Video Card HDMI Port there is NOT an option of using a secondary monitor. You **must** connect the main monitor across either VGA or DVI to HDMI to use a secondary display.

When using the secondary monitor feature of Golden Tee LIVE or Unplugged, the resolution output is 800x600. If using a television as the second display, verify that the PC Input (VGA) is capable of accepting a minimum input signal of 800x600 (reference your television specifications).

Note: When cloning the main monitor in the Upper Monitor Settings, the second monitor output also clones the resolution and aspect ratio regardless of the SW202 settings. If using a television as the secondary display, verify that the PC Input (VGA) is capable of accepting a 1280x720 input signal (reference the television specifications).

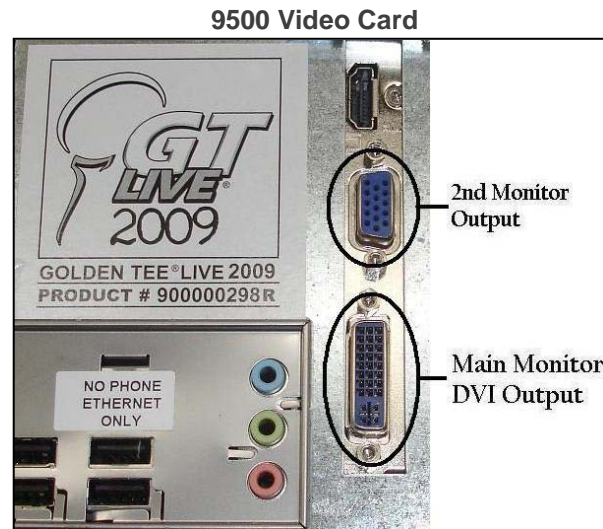


Secondary Monitor Adjustments

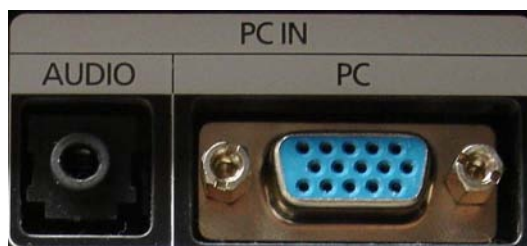
Secondary Monitor Configuration 9500 Video Card

DVI to HDMI

PRIMARY VIDEO: To expose the DVI Output, remove the DVI to VGA Adapter from the lower port on the video card. Connect a DVI to HDMI Cable (or DVI to HDMI Adapter w/ a HDMI Cable) to the Main Monitor DVI Output.



SECONDARY VIDEO: Connect the Secondary Monitor to the 2nd Monitor Output on the Video Card (VGA). Run the VGA Cable to the PC Input (VGA) of the Secondary Monitor.



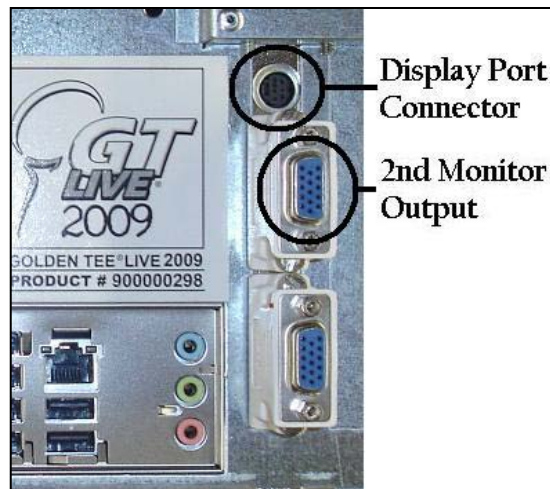
Example of PC Input with 1/8th-inch Audio Input

Secondary Monitor Configuration 7600 Video Card

Component (RGB) Output

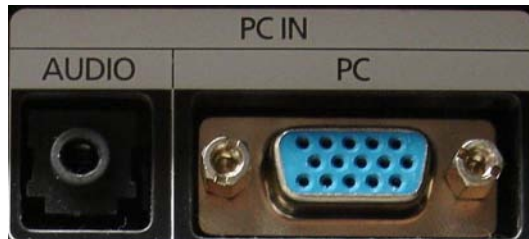
PRIMARY VIDEO: Using the component adapter, connect the Display Port to the Video Component In on the rear of the television (Red-Pr, Green-Y and Blue-Pb, or RGB).

7600 Video Card



Video Component In - Example

SECONDARY VIDEO: Connect the Secondary Monitor to the 2nd Monitor Output on the Video Card (VGA). Run the VGA Cable to the PC Input (VGA) of the Secondary Monitor.

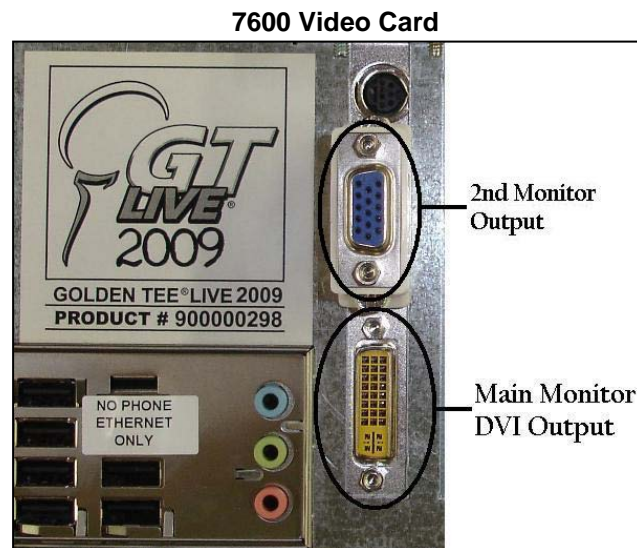


Example of PC Input with 1/8th-inch Audio Input

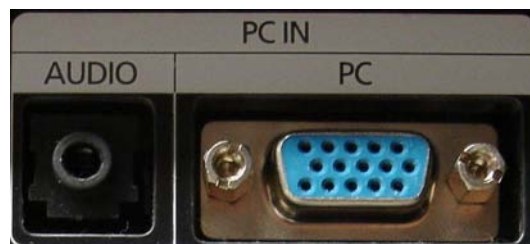
Secondary Monitor Configuration 7600 Video Card

DVI to HDMI

PRIMARY VIDEO: To expose the DVI Output, remove the DVI to VGA Adapter from the Main Monitor DVI Output on the video card. Connect a DVI to HDMI Cable (or DVI to HDMI Adapter w/ a HDMI Cable) to the Main Monitor DVI Output.



SECONDARY VIDEO: Connect the Secondary Monitor to the 2nd Monitor Output on the Video Card (VGA). Run the VGA Cable to the PC Input (VGA) of the Secondary Monitor.



Example of PC Input with 1/8th-inch Audio Input



Connection / Resolution Options for Golden Tee

Golden Tee 7600 & 9500 Video Cards (VC)

- VGA (7600 or 9500 VC)
 - 640x480 (4:3 aspect ratio)
 - 800x600 (4:3 aspect ratio)
 - 1280x720 (16:9 aspect ratio)
- Component (7600 VC)
 - 1280x720 (16:9 aspect ratio)
- HDMI (9500 VC)
 - 1280x720 (16:9 aspect ratio)
- DVI → HDMI (7600 or 9500 VC)
 - 1280x720 (16:9 aspect ratio)

Golden Tee Audio Output Options by Product Number:

- **900000298R or 900000307R**
(DG31PR Motherboard with 9500 Video Card)
 - HDMI
 - DVI
 - RCA Outputs
- **900000298**
(915 / 965 Motherboard with 7600 Video Card)
 - RCA Outputs
- **900095298R**
(915 / 965 Motherboard with 9500 Video Card)
 - RCA Outputs