

1 Installation

CAUTION: Do not connect power cords until instructed to do so.

Installation consists of placing the PROCISE™ PSPHD in position, either mounted in a rack or stacked with other system components, and connecting the various input, output, and control interface cables.

The PROCISE PSPHD is supplied with the following:

- One power cable
- One 6' USB cable
- Three 3-pin terminal block connectors
- Two 4-pin terminal block connectors
- Two "ears" for rack mounting

The following items are not supplied and are needed to complete the installation:

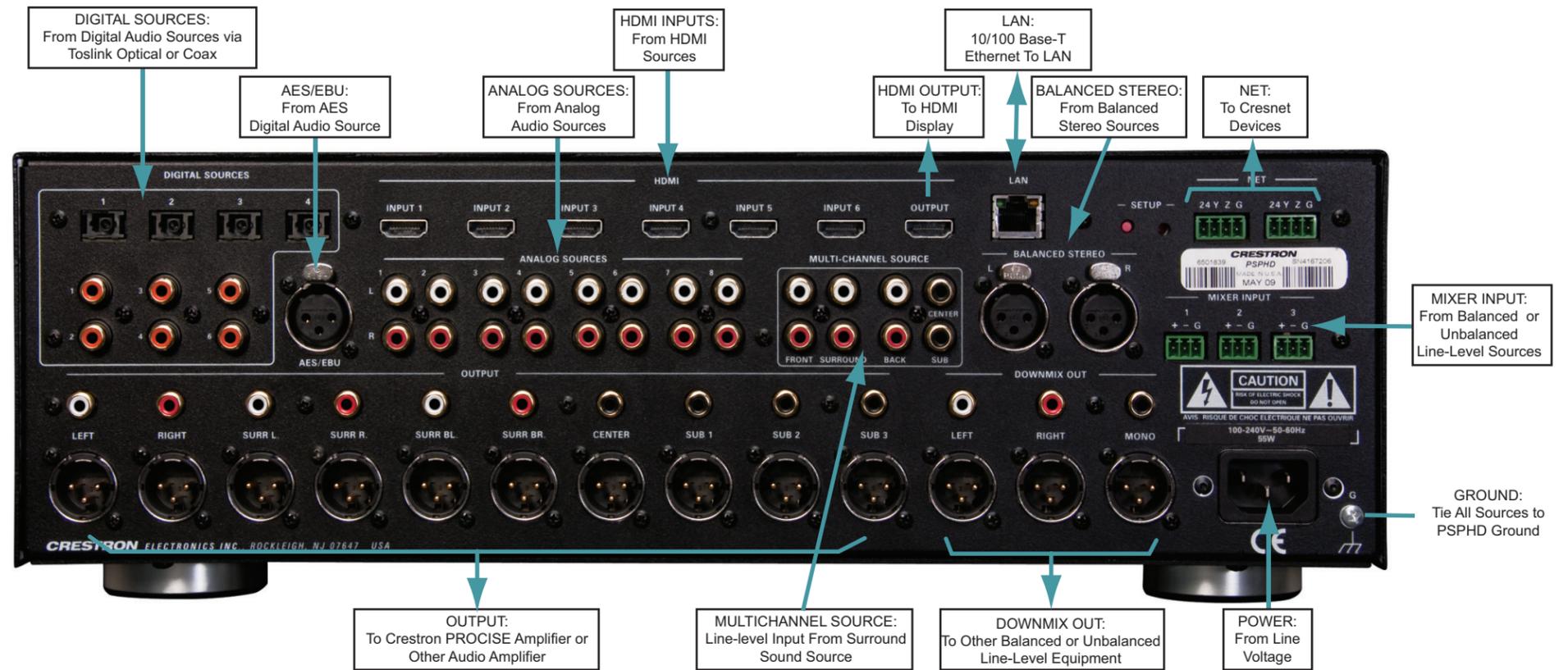
- Crestron Professional Surround Sound Tuning Kit (CSSTK)
- CAT5/5E cable for Ethernet connections
OR
Cresnet® cable for network connection of Crestron devices
- Grounding wire (16 - 12 AWG) for grounding audio equipment together and connection to earth ground
- Appropriate hand tools (wire cutters, screwdrivers, etc.)

2 Connections

Make connections appropriate to your planned configuration as called out in the illustration to the right. Refer to "Network Wiring" in the latest version of the PSPHD Operations Guide (Doc. 6837) which can be obtained from the Crestron website (www.crestron.com/manuals) before attaching the 4-position terminal block connector.

- Apply power only after all other connections have been made.
- Connect theater AV sources and display to the appropriate balanced or unbalanced connectors.
- Connect the outputs to a PROCISE amplifier.

NOTE: A USB port is concealed behind the removable front panel. The USB port is used to connect with a PC, and provides a console connection to the PSPHD. A microphone jack is also concealed behind the front panel. This jack is used to connect the microphone that is included with the available Crestron Professional Surround Sound Tuning Kit. For more information, refer to the latest version of the Crestron Professional Surround Sound Tuning Kit Operations Guide (Doc. 6565).



To prevent damage to the PSPHD's finish, use a flat-edge tool made of plastic or covered in tape inserted in the slot (one at either end) to carefully pry up the end of the removable front panel. Remove the front panel to expose the USB port and microphone jack.

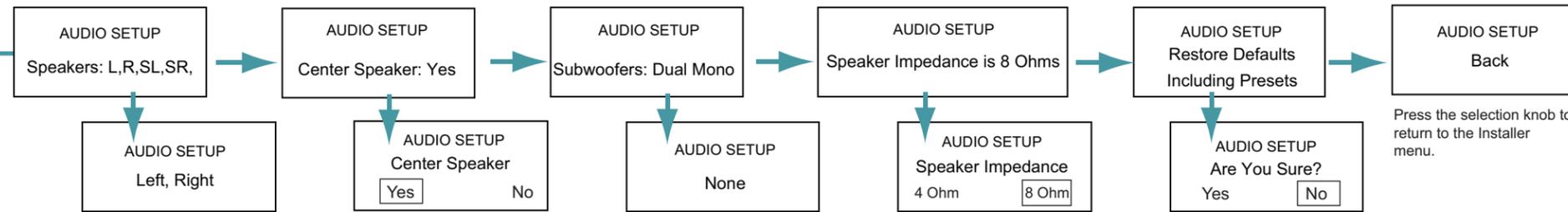
3 Installer Menu Mode

Verify that power to the PSPHD is on. The unit first goes through an internal startup procedure that takes about fifteen seconds.

When the left-hand display shows **PSPHD**, press and hold the **HOME** and **DISPLAY** buttons at the same time for about five seconds to enter the *Installer Menu* mode. This mode provides a series of menus and sub-menus, shown to the right, that let you perform a first time setup and select basic configuration options.

1. Perform the functions in the order listed in the menu.
2. Rotate the selection knob to highlight each function and setting; press the knob to select it.
3. Follow the on-screen instructions for each function.
4. The **HOME** button always takes you back to the Installer menu.

Advanced setup information and operational details are covered in the latest version of the PSPHD Operations Guide (Doc. 6837).



Use the selection knob to choose from among the following setups:
Left, Right: Audio separated into left and right channels.
Left, Right, Surround Left, Surround Right: Audio separated into 4-channel surround sound. For use in a 5.x surround setup.
Left, Right, Surround Left, Surround Right, Single Back: Audio separated into 5-channel surround sound. For use in a 6.x surround setup.
Left, Right, Surround Left, Surround Right, Back Left, Back Right: Audio separated into 6-channel surround sound. For use in a 7.x surround setup. (This is the default setting.)

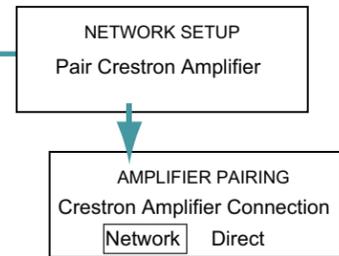
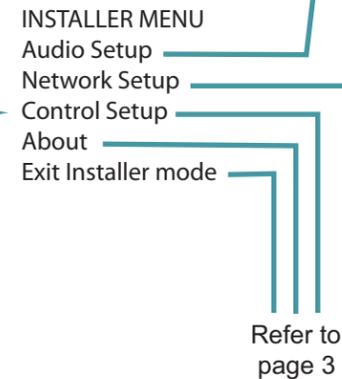
Use the selection knob to choose Yes or No.

Use the selection knob to choose from among the following arrangements:
None: No subwoofer is present in the room.
Single: The system uses a single subwoofer.
Dual Mono: The system uses two mono subwoofers.
Dual Stereo: The system uses two stereo subwoofers.
Dual Stereo with Single Mono: The system uses two stereo subwoofers and one mono subwoofer.
Triple Mono: The system uses three mono subwoofers.

Use the selection knob to choose 4 or 8 Ohms (default). (Changing this setting will change the meter display on the front panel.)

Use the selection knob to choose Yes or No (default).

Press the selection knob to return to the Installer menu.

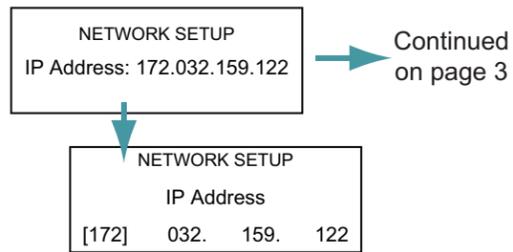


Pairing the PSPHD and PROAMP Amplifier
 Press the **selection knob** to open the Amplifier Pairing Control. If the PSPHD has already been paired with a PROAMP amplifier, the display will ask that you either exit, clear the pairing information, or reconfigure the PSPHD's pairing information. Use the selection knob to choose between:
Exit: Cancels the operation.
Clear: Clears the pairing information. Any time pairing is cleared, the PSPHD reboots.
Reconfigure: Clears the pairing information and begins the pairing process.
 Use the selection knob to highlight the type of connection between the PSPHD and the PROAMP amplifier.
Network: The PSPHD is connected to a PROAMP over a local area network.
 If Network is selected, the PSPHD will search for PROAMP amplifiers on the network. The front panel LEDs of the PROAMP amplifiers will flash indicating they can be paired with the PSPHD.

NOTE: The PSPHD and PROAMP amplifier must be set to the same connection type. For information on setting the PROAMP amplifier's connection type, refer to the latest version of the PROAMP Operations Guide (Doc. 6974 or Doc. 6976) which is available from the Crestron website.
NOTE: If using the "Network" connection type, the PSPHD and the PROAMP amplifier must be on the same subnet.
NOTE: If changing the connection method, the PSPHD will automatically reboot. The pairing procedure must be completed after the PSPHD reboots.

While the LEDs are flashing, press the rear panel **VERRIDE/SETUP** button or the front panel **RESET** button on the PROAMP amplifier you wish to pair.
 If the **VERRIDE/SETUP** or **RESET** button is not pressed within two minutes, the display will return to the Network Setup section.
 When the PROAMP is paired, the PSPHD display will read "PSPHD Has Successfully Been Paired With An Amplifier. Press The Selection Knob To Exit." The pairing process is complete once you exit the installer menu and the PSPHD reboots.
Direct: The PSPHD is directly connected to a PROAMP amplifier with an Ethernet cable.
 When Direct is selected, the PSPHD reboots and is immediately paired with the PROAMP. There is no need to press any buttons.

Unpairing the PSPHD and PROAMP Amplifier
NOTE: To unpair the PSPHD and the PROAMP amplifier, you must clear the pairing information from both devices.
 From the PSPHD's **INSTALLER MENU/Network Setup** section, press the **selection knob** to open the Amplifier Pairing Control.
 If the PSPHD is already paired with the PROAMP amplifier, the display will ask that you either exit, clear the pairing information, or reconfigure the PSPHD's pairing information.
 Use the selection knob to choose **Clear**. This clears the pairing information from the PSPHD.

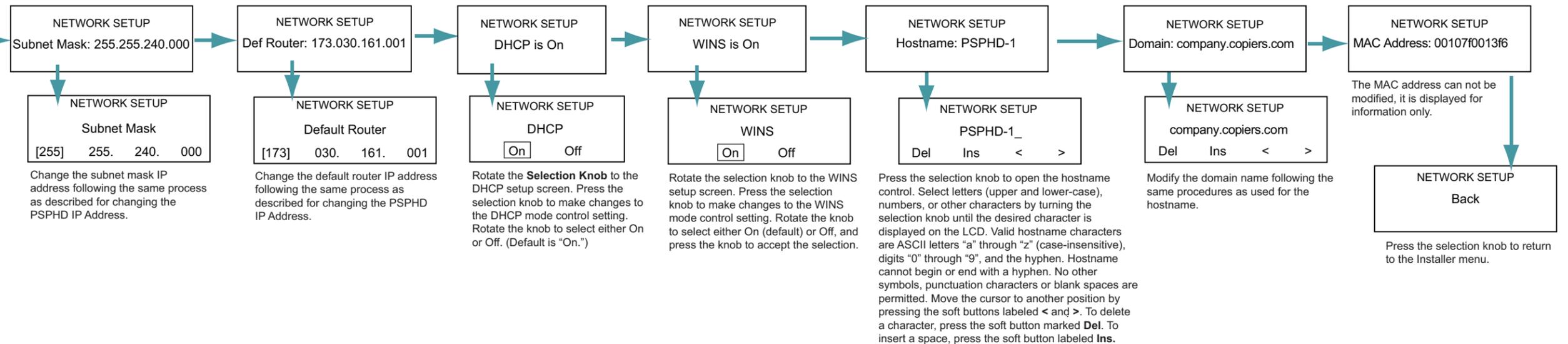


Press the selection knob to enable changes to the PSPHD IP address. Rotate the selection knob to change the first octet. Press the knob to accept the change and move to the next octet. Repeat for each octet. Alternatively, you can use the **Soft Keys** to directly select the octet(s) to be changed, then rotate the selection knob to make the change and press the knob to accept it.

Continued on page 3

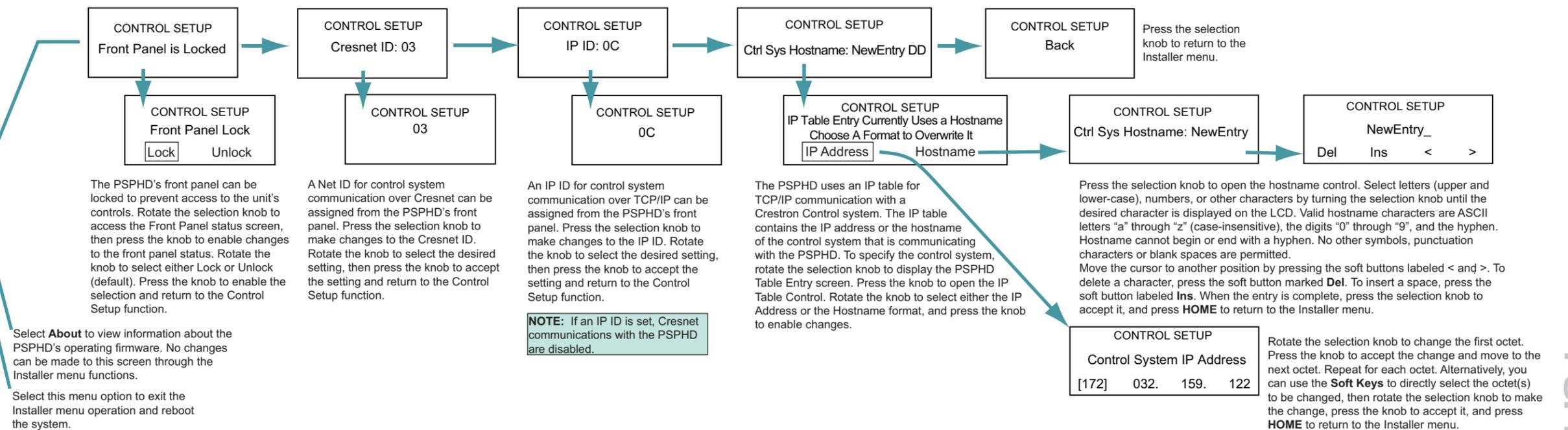
3 Installer Menu Mode (Continued)

Network Setup (continued from page 2)



INSTALLER MENU (continued from page 2)

Control Setup
About
Exit Installer menu



4 PROCISE Tools Mode

PROCISE Tools, part of Crestron Toolbox, allows you to configure the real-time surround sound processing and EQ settings of the PSPHD.

For detailed procedures, refer to the Crestron Toolbox help file.

5 Audyssey MultEQ®XT Room Calibration

The Crestron Professional Surround Sound Tuning Kit provides the hardware necessary for performing audio equalization of surround sound systems using the PROCISE PSPHD with Audyssey MultEQ®XT technology. For optimum listening enjoyment, run the Audyssey room calibration procedure.

*Manufactured under license from Audyssey Laboratories. U.S. and foreign patents pending.
MultEQ XT is a trademark of Audyssey Laboratories.*

For detailed procedures, refer to the latest version of the Professional Surround Sound Tuning Kit Operations Guide (Doc. 6565).