



Your PDF Guides

You can read the recommendations in the user guide, the technical guide or the installation guide for RANE HC 6S. You'll find the answers to all your questions on the RANE HC 6S in the user manual (information, specifications, safety advice, size, accessories, etc.). Detailed instructions for use are in the User's Guide.

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RANE OPERATORS MANUAL HC 6S HEADPHONE CONSOLE



QUICK START

Okay, you're in a hurry. Well this section's just for you. It explains enough of the HC 6S's workings to keep you out of trouble. It allows operation without reading the whole manual. Please read at least this section to ensure reasonable operation of the unit.

The HC 6S operates from either a common stereo or mono source, or from individual stereo sources. For a common stereo source, plug the left and right input plugs into the respective MASTER INPUTS jacks. The inputs accept balanced or unbalanced sources. Just plug them in. This source is now routed to each of the six input channels to drive all of the Outputs.

For a single mono source feeding all headphones, connect it to one of the MASTER INPUT jacks and engage the STEREO/MONO switch. Set the overall input level with the MASTER LEVEL, and use the channel LEVEL controls for individual headphones. These inputs may also be converted to balanced mono inputs by moving internal jumpers. See page Manual-4.

Use the separate stereo IN jacks when driving a pair of headphones with different program material than what is on the MASTER INPUTS. Connecting a plug into these jacks automatically disconnects that channel from the Master Input program material.

HC 6S CONNECTION

When first connecting the HC 6S to other components, *leave the power off*. This gives you a chance to make mistakes and correct them without damage.

1. With the power switch in the *off* position, plug the power line cord into the rear panel.
2. Plug the output from a mono or stereo source into the MASTER INPUTS. For unbalanced systems use a standard 1/4" TS cable. For balanced operation, use a stereo 1/4" TRS connector with pin 2 (+) wired to the Tip, pin 3 (-) wired to the Ring, and pin 1 (ground) wired to the Sleeve. Please consult the RaneNote, "Sound System Interconnection" (enclosed) for additional wiring arrangements.
3. When rack mounting the HC 6S, you may wish to permanently wire the rear headphone Outputs to remote jack locations, such as in walk of a studio or other rooms. Use the front panel Outputs for local or control room monitoring.
4. You might also consider wiring the six direct stereo INs permanently to a patch bay or monitor mixer, but *only* if you do not plan to use the MASTER INPUTS as well. Whenever a plug is inserted into any individual stereo IN, the MASTER INPUTS are bypassed for that particular channel. So for maximum flexibility, we suggest that only the MASTER INPUTS be permanently wired and that the direct stereo INs be patched as necessary.

WEAR PARTS: This product contains no wear parts.

Manual-1



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<http://yourpdfguides.com/dref/3395352>

Manual abstract:

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Set the overall input level with the MASTER LEVEL, and use the channel LEVEL controls for individual headphones. These Inputs may also be converted to balanced mono inputs by moving internal jumpers. See page Manual-4. Use the separate stereo IN jacks when driving a pair of headphones with different program material than what is on the MASTER INPUTS. @@@@1.

@@@2. Plug the outputs from a mono or stereo source into the MASTER INPUTS. For unbalanced systems use a standard 1/4" TS cable. @@Please consult the RaneNote, "Sound System Interconnection" (enclosed) for additional wiring arrangements. 3.

When rack mounting the HC 6S, you may wish to permanently wire the rear headphone Outputs to remote jack locations, such as in walls of a studio or other rooms. Use the front panel Outputs for local or control room monitoring. 4. You might also consider wiring the six direct stereo INs permanently to a patch bay or monitor mixer, but only if you do not plan to use the MASTER INPUTS as well. Whenever a plug is inserted into any individual stereo IN, the MASTER INPUTS are bypassed for that particular channel. So for maximum flexibility, we suggest that only the MASTER INPUTs be permanently wired and that the direct stereo INs be patched as necessary. WEAR PARTS: This product contains no wear parts. Manual-1 FRONT PANEL DESCRIPTION 1 4 2 0 10 6 8 2 4 2 0 10 6 8 3 4 2 0 10 6 8 4 4 2 0 10 6 8 5 4 2 0 10 6 8 6 4 2 0 10 6 8 MASTER MONO 2 0 10 4 6 8 HC 6S HEADPHONE CONSOLE PHONES SIG LEVEL STEREO LEVEL POWER 1 2 3 4 5 6 1 Front panel PHONES Output jacks are in parallel with the rear panel stereo OUT jacks. Use them to monitor any of the six channels for level or mix adjustments, or for easy access when the HC 6S is rack mounted. Plugging into these front jacks does not disengage the rear Outputs.

2 SIGNAL present indicators light (green) with any input signal above -20 dBu. See OPERATING INSTRUCTIONS (on page Manual-4) for complete details. 3 Individual LEVEL controls set the volume for each set of headphones, regardless of whether they are driven from the MASTER INPUTS or from the direct stereo INs. When using the front and rear panel headphone jacks together, this control varies the level of each headphone simultaneously. 4 MONO / STEREO switch converts the MASTER INPUTS from stereo to mono so that a single input cable drives both sides of the headphones. 5 MASTER LEVEL sets the volume simultaneously to all headphones driven from the MASTER INPUTS. This does not alter the volume on any headphones driven from the direct stereo INs. 6 POWER switch. Your basic, straightforward power switch. When the yellow LED is lit, the HC 6S is ready to go.

Manual-2 REAR PANEL DESCRIPTION COMMERCIAL AUDIO 100-240 V 50/60 Hz; 12 WATTS EQUIPMENT 24TJ R MASTER INPUTS RIGHT LEFT 6 IN OUT IN 5 OUT IN 4 OUT IN 3 OUT IN 2 OUT IN 1 OUT MADE IN U.S.A. @@@@The HC 6S is one smart dude. He knows what you are doing so you better watch out.

@@@@I told you the dude be smart! @@@@@@RCA connectors can be substituted for the 1/4" connectors. @@@@Then kick back and enjoy.

@@This mates with an IEC 60320 C5 line cord (USA domestic). Do not lift the ground connection! @@Dual Mono to Stereo TRS Wye Cable.

@@@@@@@@@@@@@@@@Unbalanced mono sources require using a stereo 1/4" TRS plug and shorting the tip and ring together.

Any channel not directly driven is automatically driven from the MASTER INPUTS. When using balanced mono sources, internal jumpers must be moved as in Figure 2 below. Jumpers are wired at the factory for stereo. Jumpers must be moved for balanced mono operation. Each jack is jumpered separate, so any combination of input types is possible within a single HC 6S. SHOCK HAZARD WARNING: Any service requiring access to the inside of the unit (including changing jumpers and switch settings) should be done by qualified service personnel. SIGNAL-PRESENT LEDS These light up with any signal input above -20 dBu. They are located in the signal path after the MASTER INPUTS and before the individual LEVEL controls. This means that adjusting the MASTER LEVEL affects the SIG LEDs, while adjusting the individual LEVEL controls does not. When using a direct stereo IN, the LED responds to that Input only.

This means these indicators aid in quickly identifying which stages are driven by the MASTER INPUTS and which by the direct stereo INs: Simply turn the MASTER LEVEL up and down and observe which LEDs respond. These are the channels being driven by the MASTER INPUTS. STEREO / MONO SWITCH

This serves the basic function of allowing both Left and Right channels of all headphones to be driven from a mono MASTER INPUT. In some instances a stereo program can be confusing for live monitoring purposes, due to extreme separation and the increased difficulty in perceiving several different volume levels. @@@@There are still only six LEVEL controls. Additional headsets must double up with those already in use. @@2. The HC 6S has limited power output. The more headphones you connect to it, the less power there is available to each set, and the more strain on the HC 6S. Blasting 10 or 12 sets of low impedance headphones is asking too much from the HC 6S.

To lessen the power drain from the HC 6S, use only high impedance (100 or greater) headphones when paralleling. Figure 2. Stereo Unbalanced / Mono Balanced Jumpers Shipped as Stereo Unbalanced. To channels 2 - 6 ©Rane Corporation 10802 47th Ave. W.

, Mukilteo WA 98275-5098 USA TEL 425-355-6000 FAX 425-347-7757 WEB www.rane.com Manual-4 .



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