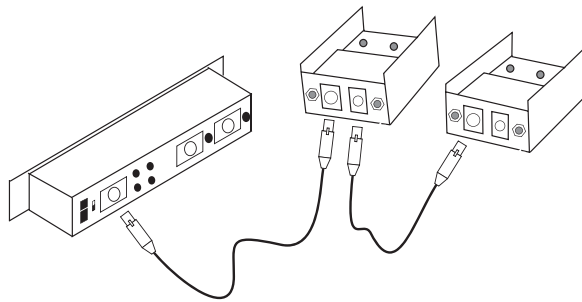


## Instruction Sheet

### MODEL HR-2

#### Use of Headphone Remote Stations

Furman HR-2 Headphone Remote Stations (sometimes called satellites) are intended for use with the Furman HA-6A Headphone/Monitor Amplifier to increase the number of headphone stations beyond the six provided, and/or to locate them more conveniently. With the use of a simple adaptor, HR-2's may also be used with any stereo power amplifier of 50 watts per channel or less to convert them to use as headphone distribution amplifiers. (The Furman SP-20A Half Rack Power Amplifier has the required adaptor built in.) Each HR-2 box can accommodate two sets of headphones, each with its own volume control.



Daisy-chaining HR-2 Remote Stations to the HA-6A

#### Recording and Rehearsal

In the recording studio, headphones are most often used in the overdubbing process, where new musical tracks are recorded in synchronization with previously recorded tracks. The musicians doing the overdub hear the already recorded tracks in their headphones, and play along with them. In this way, it is possible to build up a complete recording of many tracks, adding one or more new tracks with each overdub.

Because of the presence of open microphones, headphones are much preferred to speakers for cueing overdubs. Even if headphones are used, it is important that they clamp tightly to the musicians' heads so that a minimal amount of sound leaks out.

The cue mix heard in the headphones is a combination of the previously recorded tracks along with the new sounds being added. It is generally derived from a "Cue" or "Headphone" mixing buss on the recording console, which is then routed to the Left and Right Inputs on the HA-6A's rear panel. If this mix is mono, connect it to the Left Input. The HA-6A will then automatically be in mono mode, so that the mix can be heard with both ears (or both speakers, if used).

In many situations, it may be sufficient to plug all headphones directly into the HA-6A. However, in a larger studio, or when each musician must have easy access to his or her headphone volume control, it is more practical to use several HR-2 Remote Stations at strategic locations around the room. In this case, the HA-6A (or the stereo power amplifier substituting for it) would most likely be installed in the control room.

The HR-2 Remote Stations connect in "daisy chain" fashion to the SPEAKER B-SATELLITE/REMOTE output on the rear panel of the HA-6A. This output is a male 3-pin XLR connector, so that ordinary microphone cables can be used. The HA-6A connects to the first HR-2 box; another mic cable connects the first HR-2 to the second HR-2; a third mic cable connects the second HR-2 to the third HR-2; and so on. If low impedance headphones are used, up to twelve HR-2's may be chained together. If medium or high impedance headphones are used, 25 or more Remote Stations may be chained.

The HR-2 Remote Stations are compact boxes which eas-

ily attach with a thumbscrew to any microphone stand. Each HR-2 has two stereo volume controls and two headphone jacks, to accommodate two listeners. There are also two XLR connectors, one male and one female, for use in daisy-chaining units together. If desired, the clip on an HR-2 box may be hung on a belt if no microphone stand is convenient. Or, the clip itself may be popped off the box for tabletop use.

#### Using HR-2's with Standard Power Amplifiers

If a power amplifier other than the 20 watt/channel Furman HA-6A or SP-20A is used to drive a chain of HR-2 Remote Stations, it is recommended that the amp have no more than 50 watts/channel maximum output to preclude the possibility of damage to the HR-2's. Also, an adaptor to connect the left and right outputs to a single male XLR connector will have to be made. This should be wired as follows: Pin 3—left output, high; Pin 2—right output, high; and Pin 1—low, common to both channels.

#### Three Year Limited Warranty

Furman Sound, Inc., having its principal place of business at 1997 South McDowell Blvd., Petaluma, CA 94954 ("Manufacturer") warrants its HR-2 (the "Product") as follows:

Manufacturer warrants to the original Purchaser of the Product that the Product sold hereunder will be free from defects in material and workmanship for a period of three years from the date of purchase. The Purchaser of the product is allowed fifteen days from the date of purchase to complete warranty registration by mail or on-line at the Furman website. If the Product does not conform to this Limited Warranty during the warranty period (as herein above specified), Purchaser shall notify Manufacturer in writing of the claimed defects. If the defects are of such type and nature as to be covered by this warranty, Manufacturer shall authorize Purchaser to return the Product to the Furman factory or to an authorized Furman repair location. Warranty claims should be accompanied by a copy of the original purchase invoice showing the purchase date; this is not necessary if the Warranty Registration was completed either via the mailed in warranty card or on-line website registration. Shipping charges to the Furman factory or to an authorized repair location must be prepaid by the Purchaser of the product. Manufacturer shall, at its own expense, furnish a replacement Product or, at Manufacturer's option, repair the defective Product. Return shipping charges back to Purchaser will be paid by Manufacturer.

THE FOREGOING IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. Manufacturer does not warrant against damages or defects arising out of improper or abnormal use of handling of the Product; against defects or damages arising from improper installation, against defects in products or components not manufactured by Manufacturer, or against damages resulting from such non-Manufacturer made products or components. This warranty shall be cancelable by Manufacturer at its sole discretion if the product is modified in any way without written authorization from Furman Sound. This warranty also does not apply to Products upon which repairs have been affected or attempted by persons other than pursuant to written authorization by Manufacturer.

THIS WARRANTY IS EXCLUSIVE. The sole and exclusive obligation of Manufacturer shall be to repair or replace the defective Product in the manner and for the period provided above. Manufacturer shall not have any other obligation with respect to the Products or any part thereof, whether based on contract, tort, strict liability or otherwise. Under no circumstances, whether based on this Limited Warranty or otherwise, shall Manufacturer be liable for incidental, special, or consequential damages. Manufacturer's employees or representatives' ORAL OR OTHER WRITTEN STATEMENTS DO NOT CONSTITUTE WARRANTIES, shall not be relied upon by Purchaser, and are not a part of the contract for sale or this limited warranty. This Limited Warranty states the entire obligation of Manufacturer with respect to the Product. If any part of this Limited Warranty is determined to be void or illegal, the remainder shall remain in full force and effect.

NOTE: All equipment being returned for repair must have a Return Authorization (R/A) Number. To get an R/A Number, please call the Furman Service Department: (707) 763-1010, ext. 40. Please write your R/A Number prominently on the front of the package.