

MCRC Master Control Room Console



OWNER'S MANUAL



Signal Audio Workshop

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MCRC Owners Manual:

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www.signal-audio.com

Dear customer,

I'd like to personally thank you for the confidence that you have shown in Signal Audio Workshop by purchasing the MCRC. This genuine tool will allow you to maximize your monitoring capabilities while preserving maximum purity of signal path. In order to produce the full potential of this unique tool I strongly encourage you to read and understand this manual thoroughly.



At Signal Audio Workshop we consider the development and assembly of our gear an art form and take great pride in the final product.

Controlling your monitor environment is what this unit is all about. Specially designed to meet today's needs in a non console working environment, including all basic functions needed in small DAW (source select, monitor level, mono, cut, dim, monitor select & T.B).

This unit's construction is all passive and designed to allow maximum signal transparency between your DAW and monitoring system. The MCRC enables you to use maximum output level of D/A converters and therefore hearing your monitors at maximum bit rate at all times.

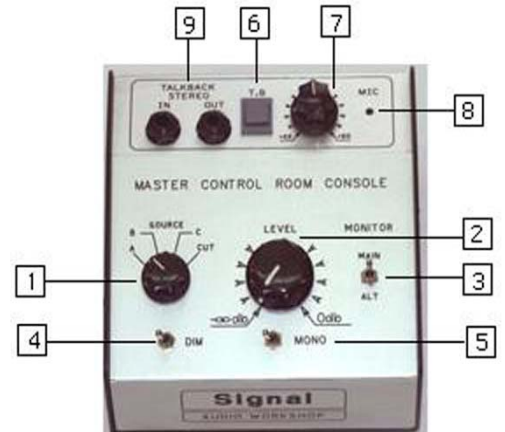
I hope you will enjoy working with the MCRC as much as we enjoyed making it for you!

With Honor
Oded Levy
Signal Audio Workshop

A handwritten signature in blue ink, appearing to be 'Oded Levy'.

Front Panel Controls:

1. Source select switch: selects between three input sources A, B, C, & cut.
2. Control room level: main rotary fader for control room monitors.
3. Monitor select switch: toggles between main/alternative monitors.
4. Dim switch: dims the control room level for fine mix balance adjustments.
5. Mono switch: selects control room monitoring between mono/stereo mode.



TALKBACK SECTION:

- 6.
7. Talkback switch: enables momentary talkback to the headphone system.
8. Talkback microphone gain knob.
9. Talkback microphone.
10. Talkback unit I/O connectors: unbalanced stereo T.R.S. enables talkback breakthrough on headphone feed (between the DAW and HF amplifier).

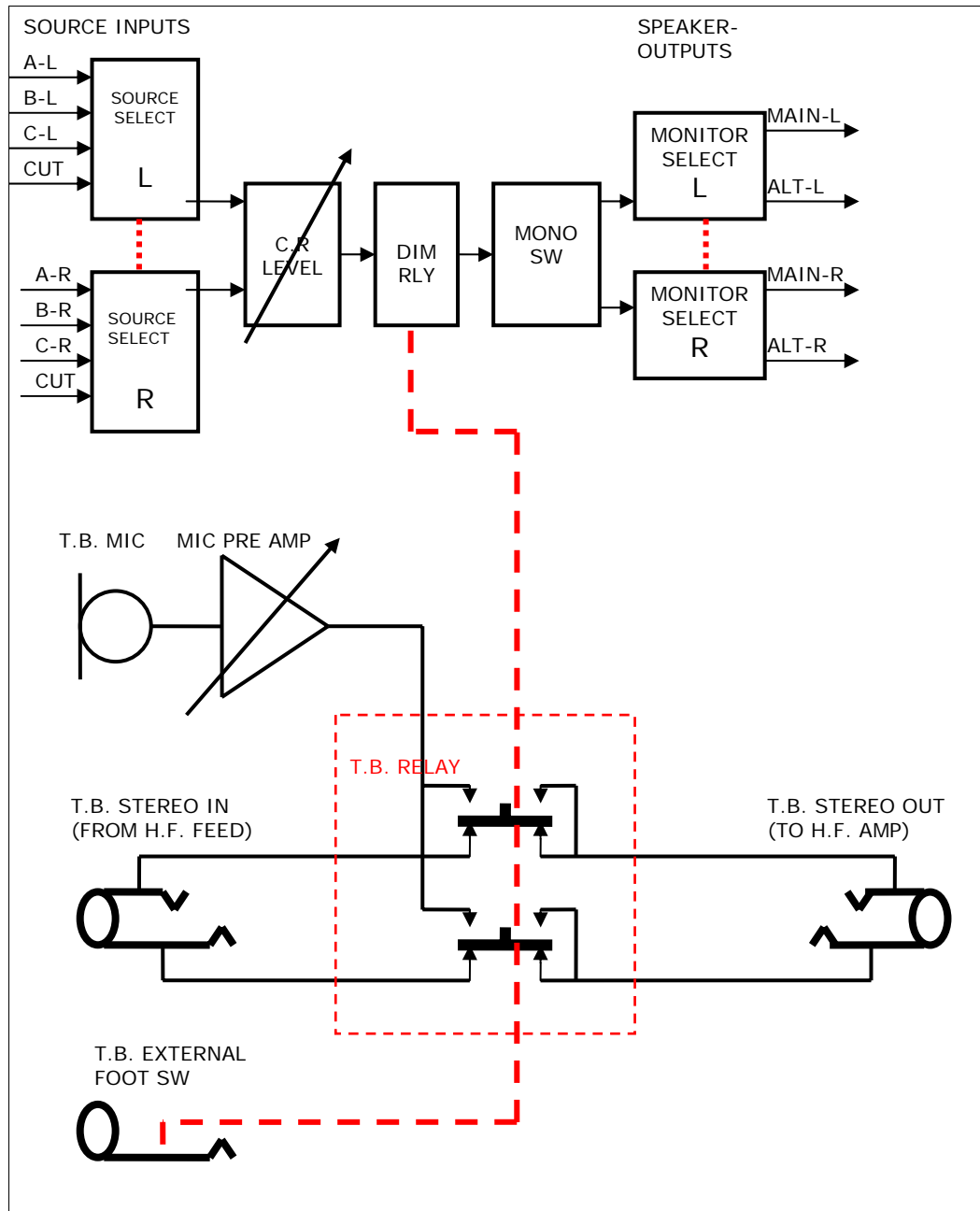
Rear Panel:



- Input source connectors: unbalanced ¼" connectors for stereo source inputs A, B & C.
- Speaker out connectors: unbalanced ¼" connectors for main/alternative monitoring system.
- External T.B. switch: unbalanced ¼" connector for T.B. switch (normally open contacts).
- 12V D.C. main power supply input (wall mount power supply 12V D.C., 500 ma.).

Block Diagram:

This chapter details the signal chain structure in order to help you better understand the MCRC functions.



All signal stages are passive and unbalanced.

Installation:

1. Make sure that the wall mounted power supply operates on the correct mains voltage (230/115 VAC) before applying mains Voltage.
2. Make sure that the external P.S.U. output voltage is 12V d.c. 500ma and the polarity are according to rear panel's drawing.
3. Always install this unit in a properly grounded environment.
3. Do not expose the unit to humidity or dusty environment.
4. Do not expose the unit to heat sources and unventilated places.

¼" Connection Diagram:

Sleeve	Ground
Tip	Signal

When connecting unbalanced signals to balanced connections and vice versa, the connection will be done according to standard.

Control Room Monitoring Calibration:

For best monitoring performance the following measures should be done:

1. In order to allow maximum symmetry and optimize headroom of your monitoring system set the SPL level in the control room to match 85db SPL, while rotary level knob is set above 1" o'clock position, by changing monitor amp's levels.
2. Match the gain between the main and alternative monitoring systems, in order to allow maximum continuance while switching between your speakers.

Signal Audio Workshop is not responsible for damages created by improper installation.

Maintenance:

Cleaning:

Do not clean the unit with water or with water soaked cloth. Cleaning is best made with dry dusting brush and vacuum cleaner. Dust and moisture is the primer enemy of switches and contacts within this unit. Avoiding them as much as you can will prolong the unit's life significantly.

Maintenance:

There are no user's serviceable parts inside the unit. Opening and servicing this unit by anyone who is not authorized Signal Audio Workshop service technician will void the warranty.

Features:

3 stereo source input select.
Mono sum switch for monitoring L+R.
Dim switch.
Control room level knob with large & accurate scaling.
Talk-back/slate system with internal TB mic.
Speaker select for 2 pairs of monitors.
Fully passive I/O ¼" connectors (back panel).

Specially design for optimum signal transparency.
All internal routing functions are passive & terminated.

All spec's at RL=6000hm.
Info subject to change without prior notice.
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Limited Warranty

This product is warranted to the original consumer purchaser to be free from defects in materials and workmanship under normal installation, use and service for a period of one (1) year from the date of purchase as shown on the purchaser's receipt.

The obligation of **Signal Audio Workshop** under this warranty shall be limited to repair or replacement (at our option), during the warranty period of any part which proves defective in material or workmanship under normal installation, use and service, provided the product is returned to **Signal Audio Workshop**, TRANSPORTATION CHARGES PREPAID. Products returned to us or to an authorized Service Center must be accompanied by a copy of the purchase receipt. In the absence of such purchase receipt, the warranty period shall be one (1) year from the date of manufacture. This warranty shall be invalid if the product is damaged as a result of defacement, misuse, abuse, neglect, accident, shipping damage destruction or alteration of the serial number, improper electrical voltages or currents, repair, alteration or maintenance by any person or party other than our own service facility or an authorized Service Center, or any violation of instructions furnished by us. This one-year warranty is in lieu of all expressed warranties, obligations or liabilities.

ANY IMPLIED WARRANTIES, OBLIGATIONS, OR LIABILITIES, INCLUDING BUT NOT LIMITED TO THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, SHALL BE LIMITED IN DURATION TO THE ONE YEAR DURATION OF THIS WRITTEN LIMITED WARRANTY. Some states do not allow limitations on how long an implied warranty lasts, so the above limitation may not apply to you. IN NO EVENT SHALL WE BE LIABLE FOR ANY SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES FOR BREACH OF THIS OR ANY OTHER WARRANTY, EXPRESSED OR IMPLIED, WHATSOEVER.

Some states do not allow the exclusion or limitation of special, incidental or consequential damages so the above limitation or exclusion may not apply to you. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

Warranty Registration Form

Please take the time to fill out this registration Form and send it to the address mentioned below. Or send this page threw e-mail to: info@signal-audio.com

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Registering your product will allow you to get full warranty service plus product upgrades if there will be any at the warranty period, according to Warranty rules.

We would like to seize these opportunity to thank you once again for choosing Signal AWS.

PRODUCT INFO:

Model: _____

Serial No: _____

Manufacturing date: _____

Supplier: _____

OWNER INFO:

Owner's name: _____

Company: _____

Address: _____

City: _____

State: _____

Zip: _____

Country: _____

Phone: _____

Fax: _____

e-mail: _____

Comments:

