

LUXMAN

OWNER'S MANUAL
BEDIENUNGSANLEITUNG
MODE D'EMPLOI
MANUAL DE OPERACION

C-03

Stereo Preamplifier

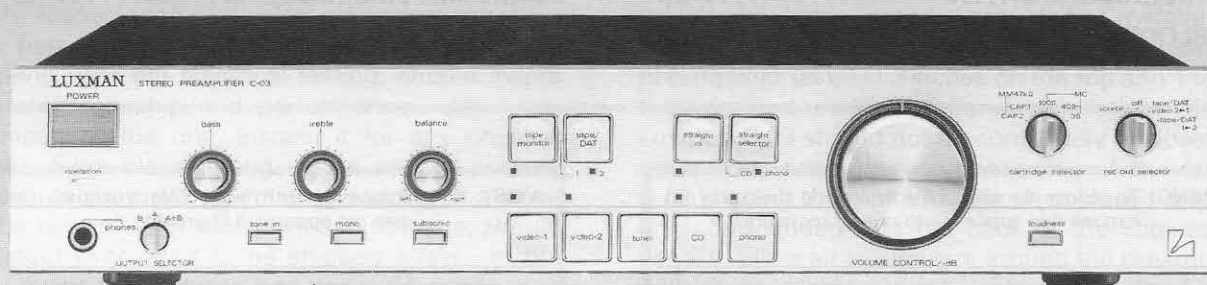


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WARNING: To reduce the risk of fire or electric shock, do not expose this appliance to rain or moisture.

CAUTION: To prevent electric shock, do not use this (polarized) plug with an extension cord, receptacle or other outlet unless the blades can be fully inserted to prevent blade exposure.

ACHTUNG: Zur Verhütung von Bränden und elektrischen Schlägen, dieses Gerät weder Regen noch Feuchtigkeit aussetzen.

AVIS: Pour éviter tout risque d'électrocution, n'exposez pas cet appareil à l'humidité.

ATTENTION: Pour prévenir les chocs électriques, ne pas utiliser cette fiche polarisée avec un prolongateur, une prise de courant ou une autre sortie de courant, sauf si les lames peuvent être insérées à fond sans en laisser aucune partie à découvert.

ADVERTENCIA: A fin de prevenir incendios y descargas eléctricas, no exponga este aparato a la lluvia ni a la humedad.

INTRODUCTION

WELCOME!

Luxman welcomes you to the growing number of discerning audiophiles who own and operate Luxman Audio and Audio-Video Products. We take great pride in the long tradition of excellence in sonic quality that the Luxman name represents. This manual has been prepared to help you to maximize your enjoyment of the outstanding performance and features of your new Luxman C-03.

The Luxman C-03 stereo preamplifier, as the control center of your sound reproduction system, employs some of the most refined and advanced technology available to achieve Luxman's constant quest for sonic quality.

To realize the exceptional performance for which this preamplifier is capable, it is necessary that all signal sources, power amplifiers and speaker systems used with it are of the highest sonic quality. We recommend complementary Luxman components wherever possible.

Please study this manual carefully and become acquainted with all features, operation and capabilities of your new Luxman C-03. Should you have any questions, or desire information on other Luxman products, please contact your local Luxman dealer.

WHEN YOU OPEN THE BOX

Before any Luxman product leaves the factory it is carefully inspected for physical imperfections as a routine part of Luxman's systematic quality control. This, along with full electrical testing, should insure quality craftsmanship and performance. After you have unpacked the unit, inspect it for any physical damage. Save the shipping carton and all packing materials, as they are essential to reduce to a minimum the possibility of transportation damage, should the product ever need to be shipped again. In the unlikely event that damage has occurred, notify your dealer immediately and request the name of the carrier so that a written claim to cover shipping damages can be initiated.

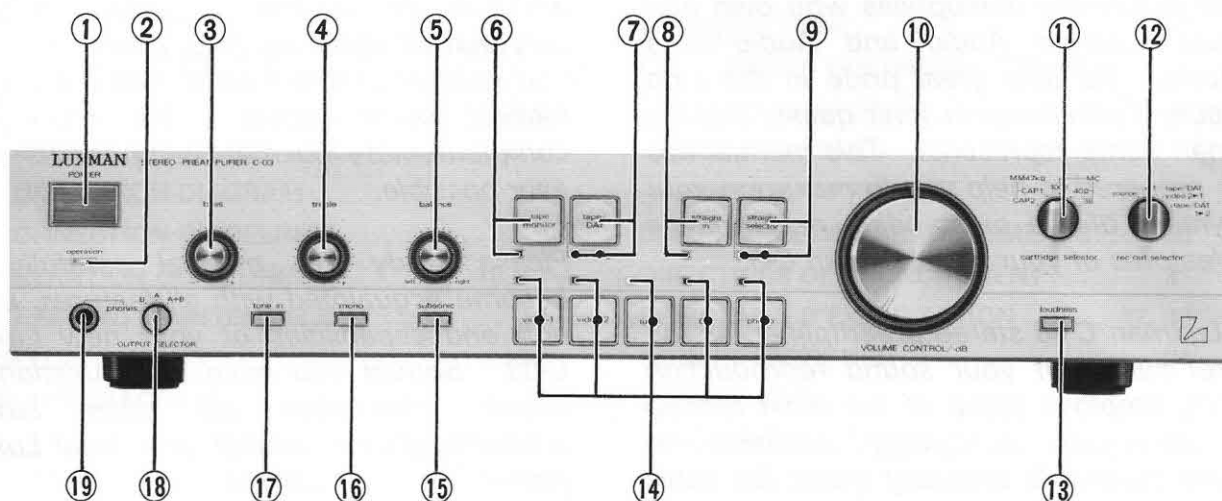
THE RIGHT TO ANY CLAIM AGAINST A PUBLIC CARRIER CAN BE FORFEITED IF THE CARRIER IS NOT NOTIFIED PROMPTLY AND IF THE SHIPPING CARTON AND PACKING MATERIAL ARE NOT AVAILABLE FOR INSPECTION. SAVE ALL PACKING MATERIALS UNTIL THE CLAIM HAS BEEN SETTLED.

INSTALLATION AND PLACEMENT

Because some heat is generated by the C-03, adequate air circulation must be provided to maintain cool operation. Leave adequate space around the preamplifier (at least 3 inches on the top and 1 inch on the sides and rear) for proper air circulation. Also, the Luxman C-03 should not be completely enclosed with other heat producing components. If the Luxman C-03 is going to be mounted in an enclosed cabinet, it is recommended that the back of the cabinet have vents to allow air to circulate around the preamplifier. With these considerations implemented, the Luxman C-03 should provide exceptional performance in any reasonable environment.

Of course, such normal considerations as protection from excessive dust and moisture should always be observed. The Luxman C-03 preamplifier has been carefully designed with high quality components so that long term undiminished performance may be expected when it is operated in accordance with the instructions provided.

CONTROLS & SWITCHES — FRONT PANEL



1. POWER Switch (POWER)

The push-type switch will turn the power on and off. When it is pressed in and the power is on, the OPERATION indicator (item #2) will illuminate. The built-in time delay muting circuit will be on for approximately 6 seconds. The C-03 will be put into the operational condition in about 6 to 9 seconds.

2. OPERATION Indicator (operation)

The OPERATION indicator will light up when the POWER switch is pressed in, indicating that the power is on.

3. BASS Control (bass)

This control will increase or decrease low frequency content in the program material. At the center detent position, a flat frequency response results.

NOTE: The TONE IN button must be depressed to the "ON" position to activate the BASS Control.

4. TREBLE Control (treble)

This control will increase or decrease high frequency content in the program material. At the center detent position, a flat frequency response results.

NOTE: The TONE IN button must be depressed to the "ON" position to activate the TREBLE Control.

5. BALANCE Control (balance)

Adjust for equal volume level between channels. Normally, with today's high quality sources, it is seldom necessary to move this control from its precision center detent position.

6. TAPE MONITOR Button and Indicator (tape monitor)

Activates the tape/DAT button (item #7) for monitoring or playback operations of tape/DAT-1 or tape/DAT-2 decks.

NOTE: This button overrides all INPUT SELECTOR sources (item #14). Always leave in the OFF (out) position when not in use.

7. TAPE/DAT Button and 1/2 Indicators (tape/DAT)

For selection of connected tape/DAT decks 1, or 2 for monitoring or playback purposes.

The tape monitor button (item #6) must be depressed for this button to operate.

8. STRAIGHT IN Button and Indicator (straight in)

When depressed, prior to tape monitor and INPUT Selector Buttons, the straight selector button (item #9) will be activated.

CONTROLS & SWITCHES — FRONT PANEL

9. STRAIGHT SELECTOR Button and Indicators (straight selector)

Selects CD or phono for STRAIGHT IN mode reproduction. Subsonic, mode, tone and balance circuits will be by-passed. The straight in button (item #8) must be depressed for this to operate.

10. VOLUME Control (VOLUME CONTROL)

Allows precision, low noise adjustment of volume level. It is recommended that the volume control be set to a low position prior to power turn on and when switching between sources.

11. CARTRIDGE Selector (cartridge selector)

Allows the use of either a moving magnet (MM) or a moving coil (MC) magnetic phono cartridge. For MM cartridges, the two (CAP. 1 and CAP.2) positions will be used. For MC cartridges, three (100 ohm, 40 ohm and 3 ohm) positions must be used.

12. REC OUT Selector (rec out selector)

This selector allows dubbing between decks in two ways:

1) from tape/DAT/video-2 to tape/DAT/video-1 (2 ► 1 position).

2) from tape/DAT-1 to tape/DAT-2 (1 ► 2 position).

When placed in the SOURCE position, audio signals selected by the INPUT SELECTOR (item #14) can be recorded at each of the 3 decks (TAPE/DAT-1, TAPE/DAT-2 and VIDEO-1).

Video copies can only be made from a VCR connected at the VIDEO-2 jacks to a 2nd VCR at the VIDEO-1 jacks in 2 ► 1 position.

Place this in the off position when not in use.

While dubbing from VIDEO-2 deck to VIDEO-1 deck (2 ► 1 position), you can monitor the VIDEO-2 source by pressing the VIDEO-2 INPUT Selector button.

13. LOUDNESS Button (loudness)

Depressing this button introduces a moderate boost of the very low and high frequencies. This compensates for the human ear's characteristic at low listening levels.

14. INPUT SELECTOR Buttons and Indicators

These select audio and video sources, a total of 5 as follows: VIDEO-1, VIDEO-2, TUNER, CD and PHONO.

15. SUBSONIC Button (subsonic)

When depressed, a subsonic filter suppresses very low frequency rumble, below the audible range, to prevent excessive woofer cone excursions and distortion.

16. MONO Button (mono)

Place in MONO (in) position for mono sources, for balance control adjustment, for lower noise operation from high noise stereo sources, or for checking speaker phasing. Otherwise, leave it in the STEREO (out) position.

When recording a source selected by INPUT Selector with VIDEO-1 VCR (or tape/DAT deck), placing this button in MONO position, monaural recording can be made. Place this in STEREO position for stereo recording.

17. TONE IN Button (tone in)

When depressed, the bass and treble tone control circuits are activated. In the "OFF" position, the tone circuits are completely bypassed, resulting in ruler-flat frequency response.

18. OUTPUT Selector (OUTPUT SELECTOR)

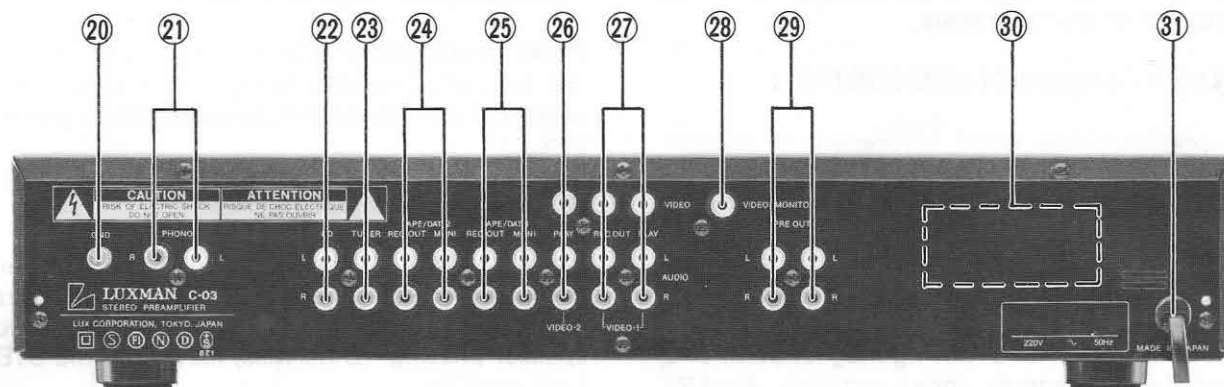
Two stereo power amplifiers may be used with the C-03; A, B and A + B positions corresponding with A and B PRE OUT jacks on the back panel (item #29). You may choose independent or simultaneous operation of the two power amplifiers by using this selector. In the phones position, only the phones jack output is available for private listening.

19. PHONES Jack (phones)

Connection of stereophonic headphones to this jack allows private listening. There is signal at the jack when placing the OUTPUT SELECTOR in the phones position, will allow private listening.

NOTE: Place the VOLUME CONTROL at the lowest level position when switching the output selector. DO NOT USE the A + B output position when only one power-amplifier is connected to the C-03.

JACKS & TERMINALS — REAR PANEL



20. GND Terminal

Connect the common (ground) wire of your record player to this terminal.

21. PHONO Jacks

An MC or MM type cartridge may be connected to these inputs. Be sure to set the front panel CARTRIDGE selector (item #11) to match the cartridge type (MC or MM) and impedance being used.

22. CD Jacks

This set of jacks are for connection of a compact disc (CD) player. They may also be used for any other high level signal source.

23. TUNER Jacks

These input jacks are for connection to the output jacks of your FM/AM tuner, such as Luxman's T-117.

24. TAPE/DAT-2 REC OUT and MONI Jacks

Connect a 2nd tape (or DAT) deck to these jacks in the same manner as item #25.

25. TAPE/DAT-1 REC OUT and MONI Jacks

Connect the LINE IN and LINE OUT jacks of your audio tape (or DAT) deck to these REC OUT and MONI jacks respectively.

26. VIDEO-2 PLAY Jacks

Connect a VCR, Laser/Video Disc Player, etc., to these input jacks for playback purposes only. Connect the audio LINE OUT and VIDEO OUT jacks of the VCR, LD, etc. to these AUDIO and VIDEO PLAY jacks respectively.

JACKS & TERMINALS — REAR PANEL

27. VIDEO-1 REC OUT and PLAY Jacks

Use these for the connection of a video cassette recorder (VCR). Be sure to correctly connect the audio LINE IN and LINE OUT jacks of the VCR to the VIDEO-1 AUDIO REC OUT and PLAY jacks of the C-03 and the VIDEO IN AND VIDEO OUT jacks of the VCR to the VIDEO-1 VIDEO REC OUT and PLAY jacks of the C-03 respectively.

28. VIDEO MONITOR Jack

Connect this video output jack to the video input jack of a video monitor or to a TV receiver that has a video input jack.

29. PRE OUT Jacks

You may connect 2 stereo power amplifiers to the C-03 with these jacks.

The PRE OUT jacks may be switched on and off by the front panel OUTPUT SELECTOR.

30. Extra AC Outlets (Canadian Models)

You can get supplemental AC power from these outlets for your tuner, deck, etc.

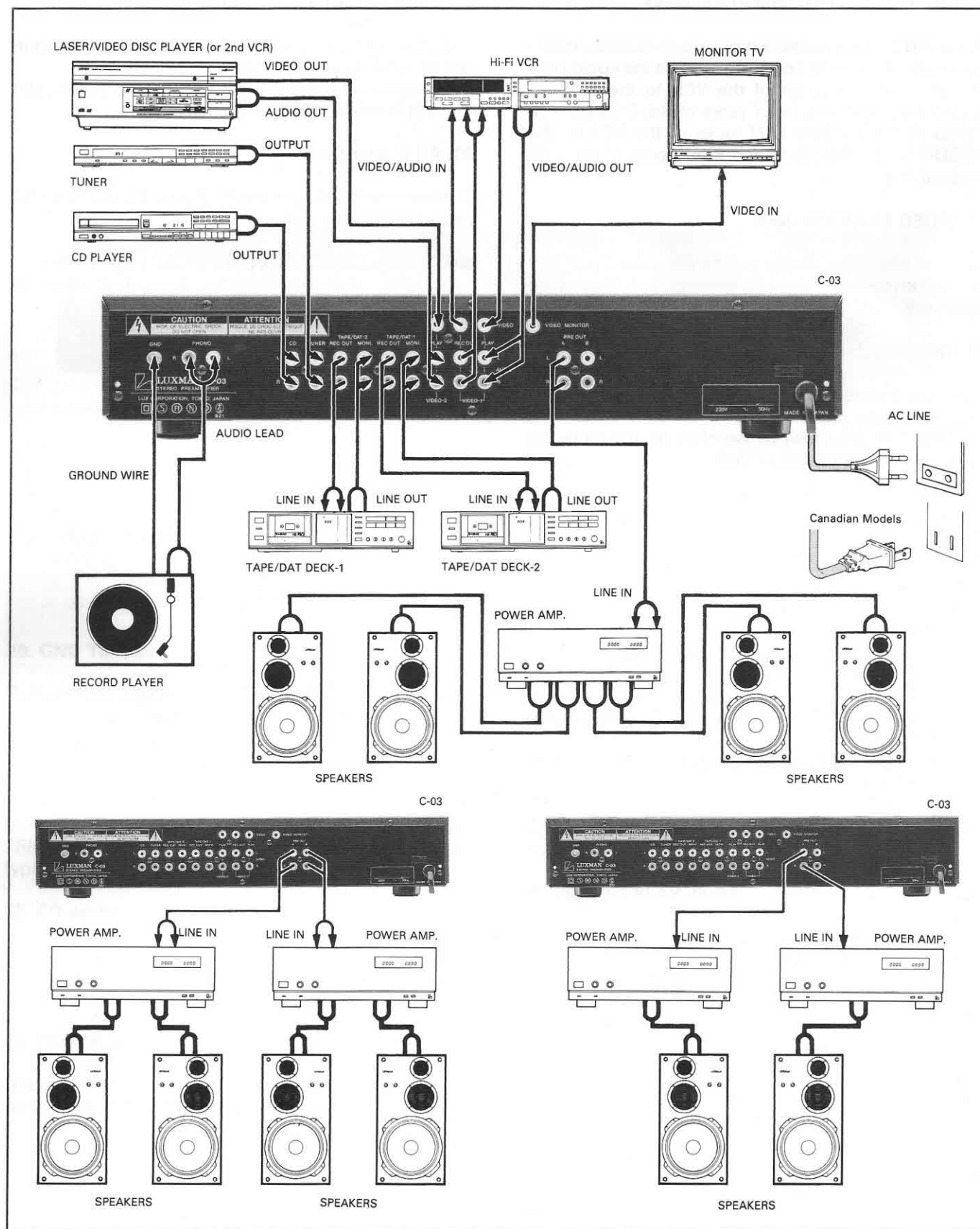
But in some countries these are prohibited by law, and the unit is delivered without such outlet.

31. AC Power Cord

Connect the AC plug of the AC Power Cord into an AC household power outlet.

NOTE: See CONNECTION DIAGRAM, page 8, for typical connections to all jacks and terminals (items #20 through 31).

CONNECTION DIAGRAM



CONNECTION GUIDELINES

BEFORE MAKING CONNECTIONS

It is always wise to ensure that all AC power cords of the various components that you are interconnecting are unplugged from the wall outlets during the hook-up process. This will prevent any inadvertent damage to your speakers or amplifiers from incorrect control settings or connections.

BASIC OUTLINE

The C-03 is a pre-amplifier, and as such is the control center of your sound reproduction system. However, for a complete function stereo system, a power amplifier to drive your speakers must be connected to the C-03, and a record player, tape/DAT recorder, VCR, tuner, etc. must be connected to the inputs of the C-03. Thus, the connections of these components will form the basis for your sound reproduction system.

CONNECTING A POWER AMPLIFIER

The C-03 is equipped with two sets of output jacks. Using a set of pin plug cords, connect the output jacks of the C-03 to the input jacks (INPUT) of your power amplifier, taking care not to confuse the left and right channels. (Use PRE-OUT A for normal stereo playback.) Using different pin plug cords for the left and right channels facilitates easy checking of the unit connections.

INTERCONNECTING LEADS (Patch Cords)

Be sure that left and right channel identification is correct when making interconnections. Most patch cords are color coded with RED ends for the right channel and BLACK or WHITE ends for the left channel, to make this job easier.

In addition, all jacks on the rear of the C-03 have red centers for right channel, white for left channel and yellow for each video jack.

CONNECTION OF AUDIO AND VIDEO TAPE DECKS

One of the common problems in connecting tape/video decks is confusing the LINE IN and LINE OUT connections to the pre-amplifier, resulting in no output even in the SOURCE modes. To prevent this, always connect the LINE OUT jacks of the deck to the MONI (monitor) input jacks of the pre-amplifier and connect the LINE IN jacks of the deck to the REC OUT (record out) jacks on the pre-amplifier.

CONNECTION OF VIDEO EQUIPMENT

Follow the connection diagram carefully when connecting video equipment to the C-03. In addition, be sure to read the owner's manuals of such equipment fully, to ensure proper operation.

It is recommended that only the highest quality TV monitor, Hi-Fi VCR, LD, etc. be used to complement the high performance standards of the Luxman C-03.

CONNECTING THE RECORD PLAYER (TURNTABLE)

In addition to the audio lead connections, be sure to always connect the ground wire from the player to the GND terminal (item #20) on the C-03.

When making connections, follow the connection diagram referring also to the descriptions for items #20 through #30 on page 6, 7.

OPERATION GUIDELINES

POWER AND SOURCE SWITCHING

To prevent the possibility of excessive, sudden sound levels, it is recommended that the volume control be placed at a low level position each time the power switch is turned on or when switching between sources.

TAPE RECORDING OPERATIONS

To make a tape recording of any source, proceed as follows:

- (1) Depress the INPUT SELECTOR button for the source you wish to record.
- (2) Place the REC OUT Selector in source position.
- (3) The source signal will now be fed to each of the two tape recorders (tape/DAT-1 and tape/DAT-2) (to all REC OUT Jacks), if connected.
Follow the recording instructions for the tape deck in use.
- (4) If you have a 3-head deck, you can monitor the actual recording by depressing the tape/DAT button PLUS the TAPE MONITOR button (item #6). The MONITOR position must also be selected on your tape deck.

TAPE PLAYBACK

Playback from each of the two tape decks can be heard by depressing the corresponding tape/DAT button, PLUS the TAPE MONITOR button (item #6).

NOTE: The Straight In button (item #8) must be in the OFF (out) position for each of the above operations.

TAPE DUBBING (Audio)

Tape copies (or dubs) can be made between the 2 decks as follows:

- (1) If you wish to copy from deck 2 to deck 1, place the REC OUT selector (item #12) in the TAPE 2 ► 1 position.
- (2) In like manner, if you wish to copy from deck 1 to deck 2, set the REC OUT Selector accordingly (1 ► 2 position).

- (3) If the copy deck is a 3-head machines, the actual recording can be monitored by depressing the TAPE MONITOR button (item #6) PLUS the tape/DAT button (item #7) to desired TAPE-1 or -2 position.
- (4) You may make dubs while simultaneously listening to any source selected by the INPUT SELECTOR (item #14). Simply place the TAPE MONITOR button (item #6) in the ON position during the dubbing operation.

DAT (Digital Audio Tape) DECKS

When using the analog (audio) inputs and outputs of such machines, you would connect them and use them with the C-03 in the same manner as you would for any audio tape deck.

NOTE: The C-03 has not digital input jack.

VIDEO PLAYBACK

Both audio and video playback from the connected A/V systems can be selected by depressing the VIDEO-1 or VIDEO 2 button on the INPUT SELECTOR.

VIDEO TAPE RECORDING AND DUBBING

Both the audio sound tracks and video signals from any A/V source can be recorded by a video cassette recorder (VCR) through the C-03.

To record a laser disc (LD), a TV stereo tuner or a VCR connected to the VIDEO-2 inputs, proceed as follows:

- (1) Place the REC OUT Selector in source position.
- (2) Depress the VIDEO-2 INPUT SELECTOR button to the "ON" position.
- (3) The A/V signals will now be fed to the VCR connected to the VIDEO-1 jacks. Follow the recording instructions for the VCR in use, being sure to set its input selector to "EXTERNAL" position.
- (4) For Dubbing, place the REC OUT selector in video 2 ► 1 position.

OPERATION GUIDELINES

TV OPERATIONS

You can watch and/or record off-the-air (or cable) TV programs with high quality sound, using a HI-FI VCR. With a video monitor or TV receiver connected according to the CONNECTION DIAGRAM, page 8 proceed as follows:

- (1) Set the INPUT SELECTOR of the HI-FI VCR, connected to the VIDEO-1 inputs, to the TV or TUNER position.
- (2) Depress the VIDEO-1 INPUT Selector button on the C-03.
- (3) You can now view any channel selected by the HI-FI VCR's tuner.
- (4) A recording of the selected TV program can also be made, while watching and listening to high quality sound, by placing the VCR in the RECORD mode.

If you have a TV monitor with stereo audio outputs, these may be connected to the VIDEO-2 jacks for independent TV operation with high quality stereo sound. Proceed as follows:

- (1) Turn the power OFF to the VCR connected to the VIDEO-1 jacks on the C-03.
- (2) Place the INPUT SELECTOR of the C-03 in the VIDEO-2 position.
- (3) Set the INPUT SELECTOR of the TV to the TV position and tune desired channels.

NOTE: Be sure to consult the owner's manuals of the VCR, TV monitor and other A/V units for specific operational details.

CARE AND MAINTENANCE

CLEANING

The durable finish of the knobs and heavy aluminum front panel will last indefinitely with proper care and cleaning. Never use scouring pads, steel wool, scouring powders, or harsh chemical agents, such as lye solution. These will mar the finish. Clean with a soft, lint-free cloth or cotton swab slightly dampened with a mild solution of detergent and water.

REPACKING FOR SHIPMENT

Should it become necessary to ship your C-03 for any reason, use the original packing materials. If these are no longer available, be sure that adequate materials, at least equivalent to the original, are used.

REPAIRS

Only the most competent and qualified service technicians should be allowed to service the C-03. The Luxman company and its factory-trained warranty station personnel have the knowledge and special equipment needed for repair and calibration of this precision instrument.

In the event of difficulty, call the Luxman Authorized Service Station nearest your home or business. In many cases, the dealer where you purchased your Luxman unit will be equipped to provide service.

SPECIFICATIONS

Total Harmonic Distortion:

CD-Preout, 2V	0.004%
Phono • MM — Rec out, 5V	0.005%
Phono • MC (100 Ω) — Rec out, 5V	0.01%

Frequency Response:

Phono (MM)	20 Hz — 20 kHz ± 0.3 dB
Line	10 Hz — 100 kHz $+0.3, -0.8$ dB

Signal to Noise Ratio (IHF-A):

MM	85 dB
MC	68 dB
Line	110 dB

Maximum Output Level/Impedance 10V/20 Ω

Input Sensitivity/Impedance:

MM	2.5mV/50k Ω
Line	150mV/47k Ω

Phono Overload Input at 1 kHz 220mV

Dimension 438(W) x 88(H) x 328(D) mm

Weight (Net) 5.5 kg

Specifications and appearance design subject to change without notice.



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