▶ # Primare I30 Integrated Amplifier User Guide

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POWER CONNECTION

Warning: Before connecting power check that the required supply voltage, indicated on the back panel, corresponds to your local AC supply. If a different voltage is stated on the type plate do not connect the amplifier to the mains power, and seek advice from your dealer.

Connect the mains power using the enclosed mains cable.

Note: Always disconnect the amplifier from the mains power before connecting or disconnecting any of the cables.

Safety instructions: To prevent fire or shock hazard, do not expose this appliance to dripping or splashing. No objects filled with liquids, such as vases, should be placed on the unit.

If you want to build in the unit you need to be sure to allow space of at least 20cm behind, 10cm on both sides and 30cm above the top panel of the unit. This is to prevent fire or damage caused by overheating. Also make sure that the main switch is accessible.

Warning: Dangerous voltages inside. Do not open the cabinet. There are no user serviceable parts inside. Repairs should be carried out by qualified service personnel only.

FCC Warning: This equipment generates and can radiate radio frequency energy and if not installed and used correctly in accordance with our instructions may cause interference to radio communications or radio and television reception. It has been type-tested and complies with the limits set out in Subpart J, Part 15 of FCC rules for a Class B computing device. These limits are intended to provide reasonable protection against such interference in home installations.

EEC: This product has been designed and type-tested to comply with the limits set out in EN55013 and EN55020.

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▶ Introduction

Welcome to the Primare I30 Integrated Amplifier! This chapter introduces you to its key features, and explains how you can take advantage of its superb sound as the key component in your hi-fi system.

WELCOME TO THE I30 INTEGRATED AMPLIFIER

The I30 is an integrated preamplifier and power amplifier with extraordinary performance for its price.

High-performance power amplifier

The I30 incorporates a power amplifier providing 100 Watts per channel of superb quality sound.

Flexible inputs

The I30 provides six inputs for sound sources such as a CD player, radio tuner, and tape recorders. An optional RIAA amplifier is available if your system includes an analogue record player.

Fully balanced

Two of the inputs are balanced, giving an entirely balanced signal chain when used in conjunction with a source that provides balanced outputs, such as the Primare CD31 CD Player.

Fixed and variable outputs

The currently selected source is provided on two pairs of line-level outputs, for connecting the I30 to other equipment. The TAPE OUT sockets are independent of the position of the volume control, and allow you to connect the I30 to a tape recorder. The PRE OUT sockets are controlled by the volume control, and can be used to connect the I30 to another output stage, or a digital surround processor such as the Primare P30.

Intuitive user interface

In keeping with the philosophy of the Primare range of systems, the I30 can be controlled through a very simple and intuitive set of front panel controls.

Alternatively all the functions of the I30 can be controlled by the optional C22 or C32 Remote Control, along with the other Primare components in your system.

USING THE I30 WITH OTHER PRIMARE PRODUCTS

Although the I30 is flexible enough to work with virtually any other equipment you have in your system, it is ideal for use with the other products in the Primare range, such as the Primare CD31 CD Player. A particular benefit of using the I30 with other Primare sources is that you can control your entire system with a single remote control, to give you a fully integrated system with the simplest possible user interface.

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TECHNICAL SPECIFICATION

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Output power per channel	2 x 100W into 8Ω, 2 x 180W into 4Ω
Speaker terminals	4 –16Ω
Output impedance	<0.06Ω
DC offset	<3mV
Balanced inputs	560mV
Line inputs	280mV
Tape outputs	280mV
Frequency response	<10Hz – 100kHz, -3dB
THD	<0.07% at full power
Signal-to-noise, line	-100dB (A-weighted)
Mains	100/115/230V
Power consumption	600W max
Peak current	±40A
Dimensions (WxDxH)	430 x 375 x 100mm
Weight	15.5kg

Using the I30 Integrated Amplifier

This chapter explains how to operate the I30 Integrated Amplifier, using either the front panel controls or the C22/C32 Remote Control.

FRONT PANEL CONTROLS

All the functions of the I30 Integrated Amplifier can be accessed using the five front panel controls, and information about its operation is displayed on the discreet front panel indicators:

(A) The source switch selects one of the six sources.

(B) The **MONITOR** button selects the tape monitor.

(C) The **VOLUME** control changes the volume.

(D) The **0°/180°** button changes the phase.

(E) The **STANDBY** control switches the I30 to standby, or switches it on.
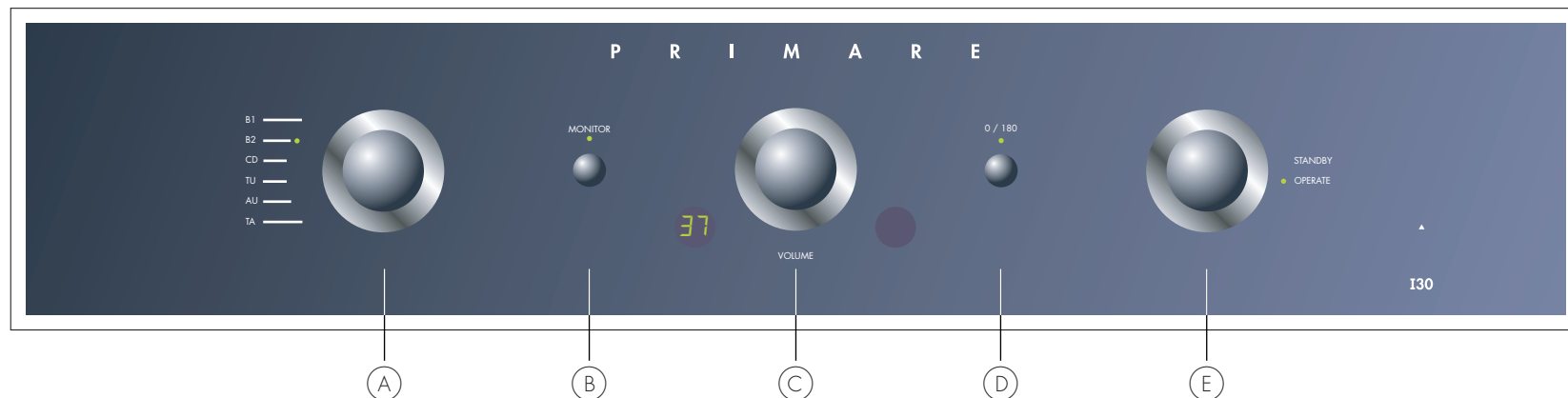
SWITCHING ON AND OFF

To switch on

- Use the switch under the left-hand edge of the front panel.

During normal operation you can leave the I30 switched on and in standby.

To switch to standby

- Turn the **STANDBY** control switch on the front panel to **STANDBY**, or press the **STBY** button on the remote control.

To switch on from standby

- Turn the **STANDBY** control switch on the front panel to **OPERATE**.

Selecting any function with the remote control will also switch on the I30 from standby.

SELECTING A SOURCE

The I30 Integrated Amplifier provides a choice of six inputs, labelled: B1, B2, CD, TU, AU, and TA.

To select a source

- Turn the source selector until the source is indicated on the front panel display.

- Alternatively, press the **SEL ▲** or **SEL ▼** buttons on the C22/C32 Remote Control to step between sources.

CHANGING THE VOLUME

The I30 allows you to vary the volume from 0 (silence) to 79 (maximum volume).

To change the volume

- Rotate the volume control on the front panel, or press the **VOL ▲** or **VOL ▼** buttons on the C22/C32 Remote Control.

The current volume setting is shown on the front panel.

CHANGING THE BALANCE

You can change the balance of the sound between the left and right channels to shift the position of the stereo image.

To change the balance

- Press the **MENU** button on the C22/C32 Remote Control.

The front panel display shows the current balance setting, where -6 corresponds to the leftmost position, 0 corresponds to centre, and 6 corresponds to the rightmost position.

- Press the **VOL ▲** and **VOL ▼** buttons on the remote control to adjust the balance.

- Press the **MENU** button again to revert to the normal volume display.

Alternatively the normal display will revert automatically after four seconds.

CHANGING THE PHASE

The phase button on the front panel can be used to change the phase from 0° (non-inverted) to 180° (inverted), to restore absolute phase on source materials that have been recorded with the incorrect phase.

• Push the button in to select 180° or release it to select 0°

The correct phase setting will give a more open and spacious reproduction of the music, which is especially audible as the sound decays.

MAKING RECORDINGS

The I30 Integrated Amplifier allows you to make a recording of any source to the tape output. If your tape recorder provides a monitor output you can compare the recording to the original source (A-B monitoring).

To make a recording

• Connect the TAPE OUT sockets to your recorder inputs.

• Select the source you want to record.

To monitor the recording

• Connect the tape recorder monitor output to the TAPE INPUT sockets.

• Press the **MONITOR** button on the front panel to switch between the monitor output and the original source.

When the monitor output is selected an indicator is shown above the MONITOR button on the front panel display.

The MONITOR button has no effect when the TA source is selected, and the monitor indicator will flash to indicate the error.
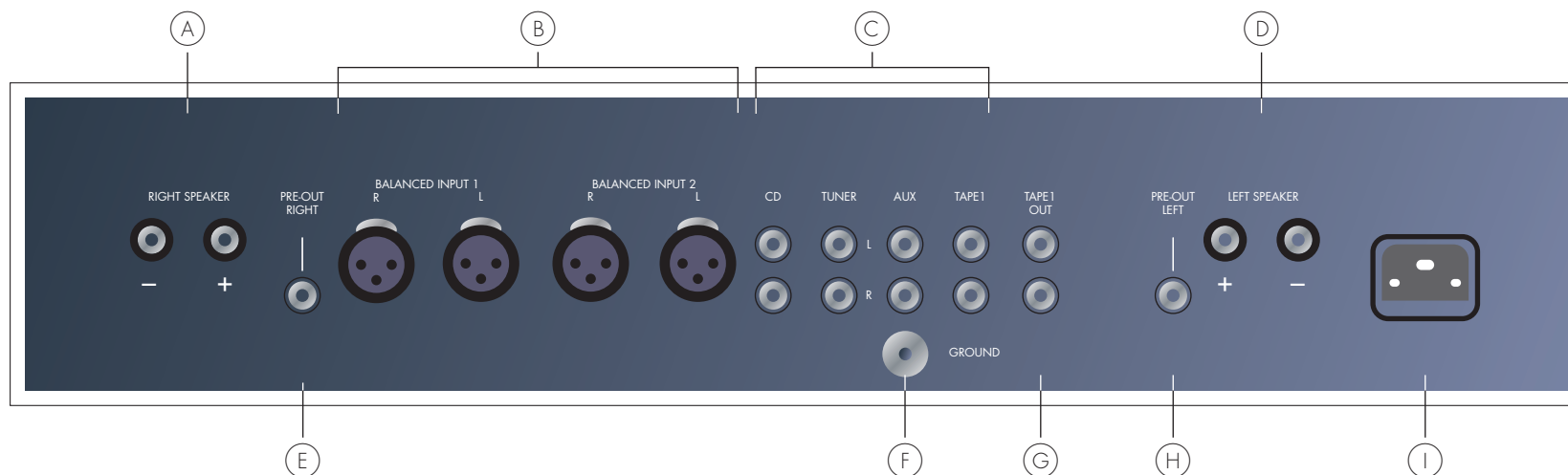
(5)

Connecting the I30 Integrated Amplifier

This chapter explains how to connect the I30 to the other components in your system, using the connections on the back panel.

BACK PANEL CONNECTIONS

A — Right loudspeaker outputs.

B — Balanced XLR Inputs.

C — Line RCA inputs.

D — Left loudspeaker outputs.

E — Right preamplifier output.

F — Ground terminal.

G — Tape1 outputs.

H — Left preamplifier output.

I — Mains power input and fuse.

OUTPUTS

Loudspeaker outputs

Connect the left and right loudspeakers to the corresponding terminals. The terminals can accept speaker cables terminated with 4mm banana plugs, spade terminals, or bare wires. To connect bare wires unscrew the terminal, pass the bare wire through the hole in the terminal bolt, and clamp the wire in place by screwing the terminal back down.

Preamplifier outputs

The preamplifier output sockets provide a line-level output from the I30 preamplifier stage which can be connected to another power amplifier, such as the Primare A30.2. The level of this output is controlled by the volume control on the I30.

The TAPE OUT sockets provide a fixed level copy of the currently selected source, suitable for connecting to a tape recorder.

The TAPE1 OUT sockets provide a fixed level copy of the currently selected source, or a copy of the TAPE1 input, depending on the position of the **MONITOR** switch.

INPUTS

Source inputs

Connect each source to the appropriate source input, connecting the right channel to the red socket and the left channel to the white socket.

To connect an analogue turntable with a moving magnet or moving coil cartridge you will need an additional phono preamplifier such as the Primare R20. The output of the turntable is connected to the R20, and the output of the R20 should be connected to a spare input on the I30, such as AUX.

A ground terminal is provided below the input sockets to allow you to provide a direct ground connection for sources in order to remove hum loops.

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