▶ # Primare A10 Integrated Amplifier User Guide

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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 A10 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 A10 INTEGRATED AMPLIFIER

The A10 is an integrated preamplifier and power amplifier with extraordinary performance for its price.

High-performance power amplifier

The A10 incorporates a power amplifier providing 50 Watts per channel of superb quality sound. An aluminium chassis gives excellent thermal dissipation characteristics, ensuring that the A10 will remain cool even if you listen at high volume levels.

Flexible inputs

The A10 preamplifier stage provides five inputs, to cater for a flexible range of sources, and incorporates a full function tape monitor which allows you to montitor the tape output while recording a source.

Modular construction

A switch on the rear panel allows you to separate the preamplifier and power amplifier sections so they can be used as totally separate modules, using the PRE OUT and MAIN IN sockets. This gives you the flexibility to integrate the A10 with other equipment, such as a digital surround processor, as part of a larger system.

Superb technical design

The A10 incorporates a classic circuit design based on J-FET input devices and bipolar output devices, typical of far more expensive equipment, giving high performance and excellent reliability.

Intuitive user interface

In keeping with the philosophy of the Primare range of systems, the A10 can be controlled through a very simple and intuitive set of front panel controls.

Alternatively all the functions of the A10 can be controlled by the C30 Remote Control, along with the other Primare components in your system.

USING THE A10 WITH OTHER PRIMARE PRODUCTS

Although the A10 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 V20 DVD Player, Primare T20 FM Stereo Tuner, or Primare D20 Integrated CD Player. A particular benefit of using the A10 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.

TECHNICAL SPECIFICATION

|	
Line inputs	330mV
Tape outputs	300mV
Output power per channel	2 x 50W/ 8Ω, 2 x 78W 4Ω
Peak current	±10A
Frequency response	<10Hz – 80kHz, -3dB
THD	0.09%
Signal-to-noise, line	-96dB
Output impedance	<0.1Ω
Power consumption, stand-by	<15W
Dimensions (WxDxH)	430 x 275 x 75mm
Weight	9kg

Using the A10 Integrated Amplifier

This chapter explains how to operate the A10 Integrated Amplifier, using either the front panel controls or the C30 Remote Control.
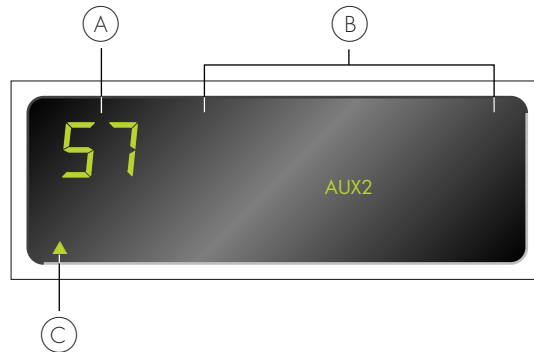
FRONT PANEL CONTROLS

All the functions of the A10 Integrated Amplifier can be accessed using the five front panel push buttons and volume control, and information about its operation is displayed on the front panel display:

(A) The **STANDBY** button switches the A10 to standby, or switches it on from standby.

(B) The **MONITOR** button switches the tape monitor on or off.

(C) The input selector buttons select one of the five source inputs, or the tape input.

(D) The **VOLUME** control changes the volume.
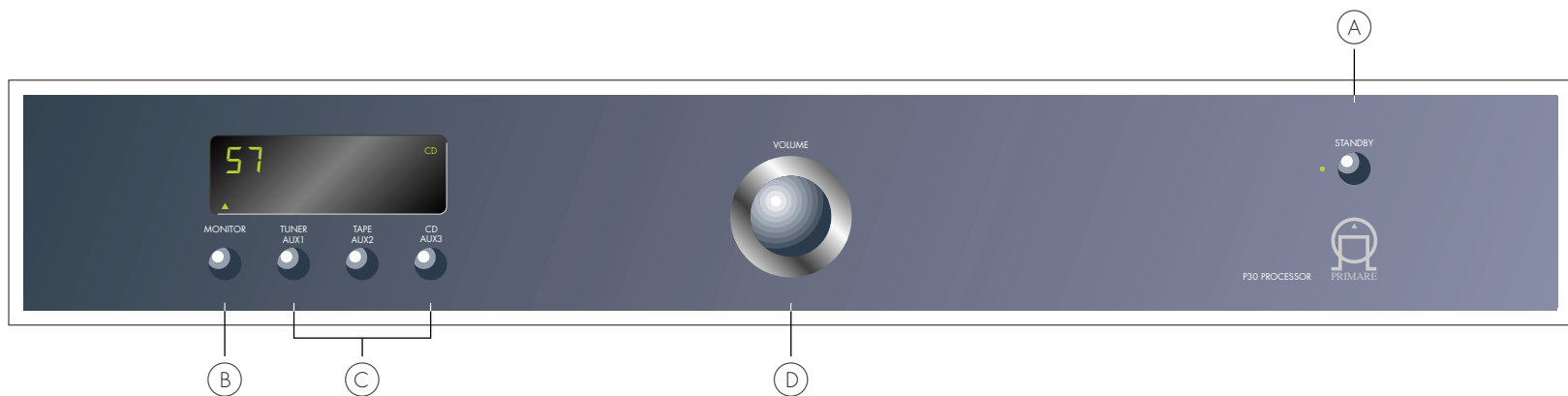
FRONT PANEL DISPLAY

The following illustration shows the information on the front panel display:

(A) Volume setting.

(B) Currently selected input.

(C) Indicates that the tape monitor is active.

To dim the front panel display

• Press the **DIM** button on the remote control.

The display will dim to show just the currently selected source.

To restore the normal display

• Press the **DIM** button again.

Alternatively the normal display will be restored if you adjust any setting.

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 A10 switched on and in standby.

To switch to standby

• Press the **STANDBY** button on the front panel or the **STBY** button on the remote control.

To switch on from standby

• Press the **STANDBY** button on the front panel.

Selecting any function with the remote control will also switch on the A10 from standby.
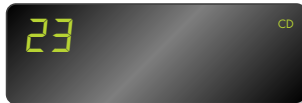
SELECTING A SOURCE

The A10 Integrated Amplifier provides a choice of six line inputs, labelled: TUNER, TAPE, CD, AUX1, AUX2, and AUX3.

To select a source

• Press the button corresponding to the source you want to select until the name of the source is displayed on the front panel display.

For example:

• Alternatively, press the **SEL ▲** or **SEL ▼** buttons on the C30 Remote Control to step between sources.

CHANGING THE VOLUME

The A10 allows you to vary the volume from 0 (silence) to 79 (maximum volume), where each step is equivalent to 0.5dB.

To change the volume

• Rotate the volume control on the front panel, or press the **VOL ▲** or **VOL ▼** buttons on the C30 Remote Control.

The current volume setting is shown on the front panel.

For example:

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 C30 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.

For example:
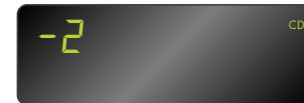
• Press the **VOL ▲** and **VOL ▼** buttons on the remote control to adjust the balance.

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

Alternatively the normal display will revert automatically after four seconds.

MAKING RECORDINGS

The A10 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 A10 TAPE IN 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 on the front panel display.
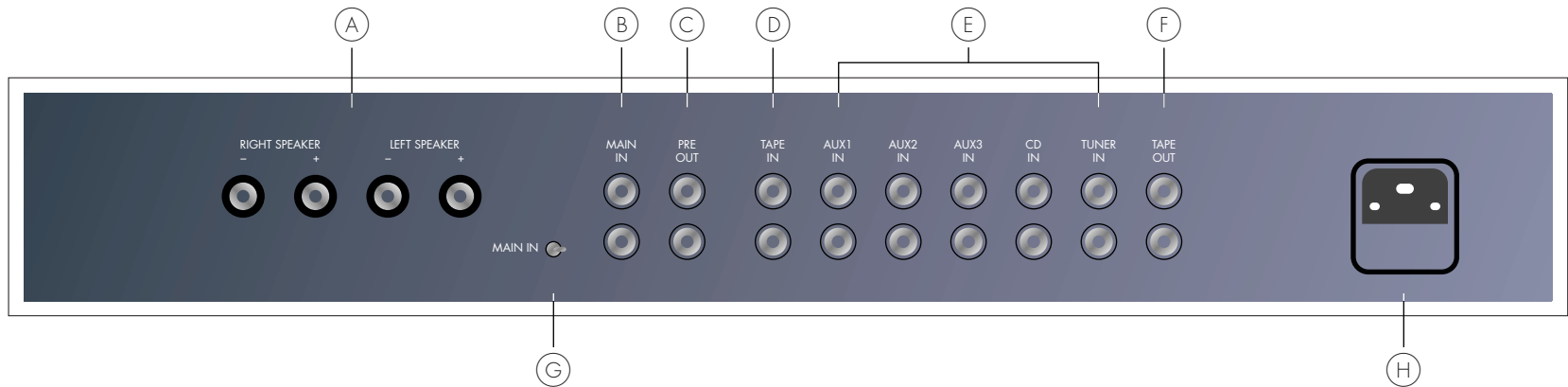
For example:

The **MONITOR** button has no effect when the TAPE source is selected.

► Connecting the A10 Integrated Amplifier

This chapter explains how to connect the A10 to the other components in your system, using the connections on the back panel.

BACK PANEL CONNECTIONS

RIGHT SPEAKER   LEFT SPEAKER
−   +   −   +

MAIN IN

MAIN   PRE   TAPE   AUX1   AUX2   AUX3   CD   TUNER   TAPE
IN   OUT   IN   IN   IN   IN   IN   IN   OUT

A   Left and right loudspeaker outputs.

B   Main power amplifier options.

C   Preamplifier outputs.

D   Tape inputs.

E   Other line inputs.

F   Tape outputs.

G   Power amplifier input selection switch.

H   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 PRE OUT sockets provide a line-level output from the A10 preamplifier stage which can be connected to another preamplifier, such as the Primare P30 Processor. The level of this output is controlled by the volume control on the A10.

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.

Note that in normal use the input selection switch should be in the right-hand position, to link the output of the preamplifier stage to the input of the power amplifier stage.

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 A10, such as AUX1.

Main inputs

The MAIN IN sockets allow you to use the power amplifier stage of the A10 as a stand-alone power amplifier. In this case the input selection switch should be in the MAIN IN position.

TAPE CONNECTIONS

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

The TAPE IN socket is equivalent to the other line inputs, but provides an additional monitor function to allow you to switch between the tape monitor and the current source without affecting what you are recording, see *Making recordings*, page 6.

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