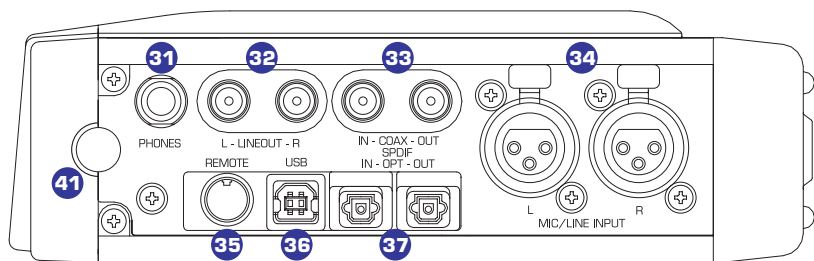# SIDE PANEL CONNECTIONS

31 PHONES SOCKET
1/4" jack socket for headphone connection.

32 LINE OUT LEFT AND RIGHT CONNECTORS
(Unbalanced RCA phono.) To send analog output signals to other equipment.

33 COAXIAL I/O CONNECTORS
(Unbalanced RCA phono.) SPDIF digital coaxial connectors.

34 MIC/LINE CONNECTORS
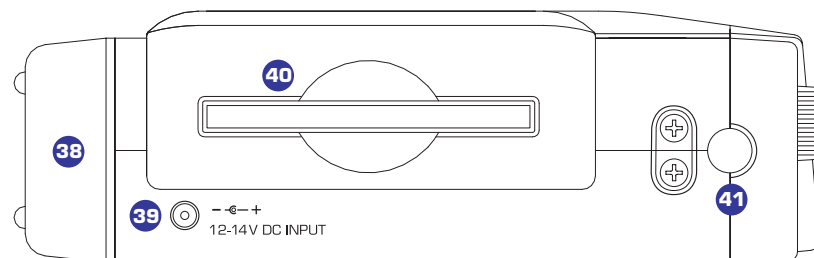(Balanced XLR.) To connect either MIC or LINE inputs.

35 REMOTE CONNECTOR
Parallel remote control connector.

36 USB CONNECTOR
USB interface port for a compatible computer.

37 OPTICAL I/O CONNECTORS
(TOSlink.) SPDIF digital optical connectors.

38 BATTERY COMPARTMENT

39 DC INPUT CONNECTOR
To connect the standard accessory AC adaptor, or an optional car adaptor. DC12-14V.

40 MINIDISC SLOT
The disc must be inserted with the arrow on the disc casing facing into the recorder.

41 SHOULDER STRAP ATTACHMENT POINTS

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QUICK REFERENCE GUIDE

PORTADISC · MDP500 MINIDISC RECORDER

TOP PANEL FUNCTIONS

1 BATTERY COMPARTMENT
Holds 8 x AA batteries.

2 KEYHOLD
Prevents accidental button operation.

3 OPEN
Ejects the MD disc.

4 EDIT
Name, erase, divide, combine or move tracks.

5 AMS
Decrease or increase the track number. Also used in editing and naming.

6 REWIND
Rewinds the disc.
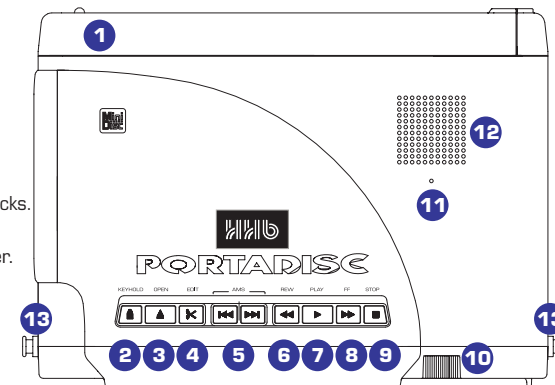
7 PLAY
Starts track playback.

8 FAST FORWARD
Fast forwards the disc.

9 STOP
Stops playback or recording.

10 RECORD VOLUME CONTROL
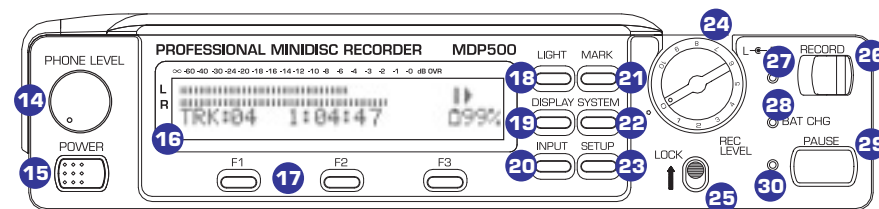Independent left and right level adjustment.

11 INTERNAL MONO MICROPHONE

12 MONITOR SPEAKER

13 SHOULDER STRAP ATTACHMENT POINTS

FRONT PANEL FUNCTIONS

14 PHONE LEVEL
Adjusts the volume level for the headphones and monitor speaker.

15 POWER
Powers the PORTADISC on and off.

16 LCD DISPLAY
Shows level metering, disc information, timing information and menu displays.

17 F1, F2, F3
Parameter selection buttons.

18 LIGHT
Illuminates the display back light.

19 DISPLAY
Changes the display menu through disc time, level margin, time and date.

20 INPUT
Changes input related settings for mic, line, digital and internal mic inputs.

21 MARK
Marks the track number manually.

22 SYSTEM
Changes system settings, including record

mode, track-increment, threshold level, auto-start, pre-record and auto power down.

23 SETUP
Saves and recalls user setups, recording presets and date / time setups.

24 REC LEVEL
Adjusts analog recording levels.

25 REC LEVEL LOCK
Locks the REC LEVEL control position.

26 RECORD
Starts recording.

27 REC INDICATOR
Lights during recording and blinks during record pause.

28 BAT CHG INDICATOR
Lights when charging the NiMH rechargeable batteries.

29 PAUSE BUTTON
Pauses the recording or playback operation and puts the PORTADISC into record pause mode.

30 PAUSE INDICATOR
Lights during pause mode.

OVERVIEW

The HHB PORTADISC MDP500 has been designed for simple, intuitive recording using the MiniDisc format. With comprehensive signal connectivity, the PORTADISC can be used out in the field or in the studio, providing users with the means to record exceptionally high quality audio.

HOW TO RECORD A MINIDISC

Insert a blank disc (face up and in the direction of the arrow) into the slot on the side of the PORTADISC. Then select your input source; from external microphone, line input, digital input or internal microphone.

RECORDING FROM AN EXTERNAL MICROPHONE
• Connect a stereo microphone to the left and right XLR mic inputs (or connect a mono microphone to either input).
• Press the **INPUT** button once, then press **F1** and **F3** to select 'MIC' for each input. Press **F2** to set selection.
• With the PORTADISC in record pause mode, adjust the **REC LEVEL** control for the desired recording level – this is not active if the limiter mode is set to 'AGC'.

OTHER MICROPHONE INPUT ADJUSTMENTS
• Press **INPUT** again to select 'MIC-Att', then use **F1** and **F3** to select mic attenuation from '0dB', '-15dB' or '-30dB' for each input. Press **F2** to set selection.
• Press **INPUT** again to select 'BASSCUT', then use **F1** and **F3** to select the bass cut from 'OFF', '75Hz' or '150Hz' for each input. Press **F2** to set selection.
• Press **INPUT** again to select 'LIMITER', then use **F1** and **F3** to select limiter from 'ON', 'OFF', 'GANGED' or 'AGC' for each input. Press **F2** to set selection. If one channel is set to 'GANGED' or 'AGC', the other is set to the same. In ganged mode, limiting on either channel will affect the other channel by the same amount, thereby retaining the correct stereo image. If you subsequently decide to set either channel to limiter 'ON' or 'OFF', you will need to select 'ON' or 'OFF' for both channels using **F1** and **F3** before setting this with the **F2** button.
• Press **INPUT** again to select 'PHANTOM', then use **F1** and **F3** to switch phantom power 'ON' or 'OFF'. Press **F2** to set selection and **F3** to exit.

RECORDING FROM EXTERNAL LINE SOURCES
• Connect the external line source to the left and right XLR line inputs (mono sources can be connected to either input).
• Press the **INPUT** button once, then press **F1** and **F3** to select 'LINE' for each input. Press **F2** to set selection.
• Press **INPUT** again to select 'LIMITER', then use **F1** and **F3** to select limiter from 'ON', 'OFF', 'GANGED' or 'AGC' for each input. Press **F2** to set selection and **F3** to exit.
• Adjust the **REC LEVEL** control for the desired recording level - this is not active if the 'LIMITER' mode is set to 'AGC'.

RECORDING FROM DIGITAL SOURCES
• Connect the external digital source to either the coaxial or optical SPDIF inputs or connect a USB source (e.g. a compatible laptop computer) to the USB input.
• Press the **INPUT** button once, then press **F1** or **F3** to select 'DIGITAL' for either input. Press **F2** to set selection.
• Press **INPUT** again, then select the correct digital input using **F1** from 'COAXIAL', 'OPTICAL' or 'USB'. Press **F2** to set selection and **F3** to exit.

RECORDING FROM THE INTERNAL MICROPHONE
• Press the **INPUT** button once, then press either **F1** or **F3** to select 'INTMIC' for either channel. Press **F2** to set selection and **F3** to exit.
• The **REC LEVEL** control is not active with the internal microphone – an automatic gain control (AGC) system is used.

To begin recording, slide the **RECORD** button to the right. To begin from record pause mode, press **PAUSE** before sliding the **RECORD** button, then press **PAUSE** again to begin recording. Press the **STOP** or **PAUSE** buttons to stop or pause the recording.

To listen back to a recorded MD disc, press the **PLAY** button. Pressing **PAUSE** will pause playback. The **REW** and **FF** buttons enable you to rewind or fast forward audio on the MD disc in order to locate a particular point in a track. You can also search through the disc track by track using the **AMS** |◀◀ and ▶▶| buttons.

HOW TO EDIT A MINIDISC

The **EDIT** button on the top of the PORTADISC enables tracks to be erased, divided, combined or moved. It can also be used to name a track or a disc.

NAME A TRACK OR A DISC
• Press **EDIT** once to display 'NAME INPUT?'.
• Press **F1** to select the track to be named or, to name the disc itself, press **F1** until 'DISC' is displayed. Press **F2** to confirm selection.
• Use the **AMS** buttons to scroll through alpha-numeric characters for the first letter of the track or disc name. Use **F3** or the **FF** and **REW** buttons to move on to the next character along the display. Once you have completed the name, press **F2** to set.
• Once name information has been written to disc, pressing **F1** will show the disc name and **F2** displays the track name.

ERASE A TRACK
• Press **EDIT** twice to display 'ERASE ?'.
• Press **F1** to select the track to be erased. Press **F2** to confirm selection.
• 'ERASE ???' will be displayed. Press **F2** to confirm erase or **F3** to exit without erasing.

ERASE ALL TRACKS
• Press **EDIT** three times to display 'ALL ERASE ?'.
• Press **F2** to confirm.
• 'ALL ERASE ???' will be displayed. Press **F2** to confirm erase or **F3** to exit without erasing.

COMBINE TRACKS
• Press **EDIT** four times to display 'COMBINE ?'.
• Press **F1** to select the track to be combined with its following track. Press **F2** to start rehearsal.
• Press **F2** to accept the combine operation.
• 'Complete!' will be displayed. Press **F2** to confirm erase or **F3** to exit without erasing.

MOVE TRACKS
• Press **EDIT** five times to display 'MOVE >> ?'.
• Press **F1** to select the track to be moved, then press **F3** to select its new destination track number. Press **F2** to confirm the move.

DIVIDE TRACKS
• During playback of the track you wish to divide, press **PAUSE** at the approximate point where you want the track to be divided.
• Press **EDIT** once to display 'DIVIDE ?'.
• Press **F2** to begin auditioning the divide point. The PORTADISC will play the audio from the divide point.
• Adjust this point (if necessary) using the **FF** and **REW** buttons. Then press **F2** to confirm divide.

SYSTEM CONFIGURATION

The **INPUT**, **SETUP**, and **SYSTEM** buttons configure many of the PORTADISC's settings.

INPUT BUTTON
Press **INPUT** to select your input source, from 'MIC', 'LINE, 'DIGITAL', 'INTMIC' and 'OFF'. Once the input source has been set, pressing **INPUT** again enables more advanced features to be set, including 'MIC-Att', 'BASSCUT', 'LIMITER' and 'PHANTOM' if the input is set to a mic source, 'LIMITER' for a line source and 'COAXIAL', 'OPTICAL' or "USB" for a digital source.

SETUP BUTTON
The **SETUP** button is used to save and recall five user settings, 'USER1' to 'USER5', and three recording presets, 'MIC REC', 'LINE REC' and 'DIGI REC'. It is also used to set 'CLOCK/DATE SETUP?', 'DATE FORMAT', 'PEAK HOLD METER?' and 'DISPLAY CONTRAST'.

SYSTEM BUTTON
Press the **SYSTEM** button to set system functions, from 'REC MODE?', 'TRACK-INCREMENT?', THRESHOLD LEVEL', 'AUTO-START/CUT?', 'AUTO-PAUSE?', 'PRE-RECORD?', 'HEADPHONE MONITOR', 'OVERWRITE MODE?', 'REPEAT MODE?', 'DIGITAL OUTPUT?' and 'AUTO POWER DOWN?'.

DISPLAY BUTTON
The **DISPLAY** button scrolls through different displays during stop, play and record modes. The display may show total number of tracks and total playback time, MD time remaining, playback or recording track and time, level margin and the current or stamped time and date.