

## SETTING AND CLEARING SKIP IDs

If you record an unwanted track on your CD-R, it's not possible to erase it, but you can program skip IDs which instruct the machine to ignore that track and skip to the next one. When the disc is then finalized, the skip ID information is saved and will be recognised by all suitably equipped CD players.

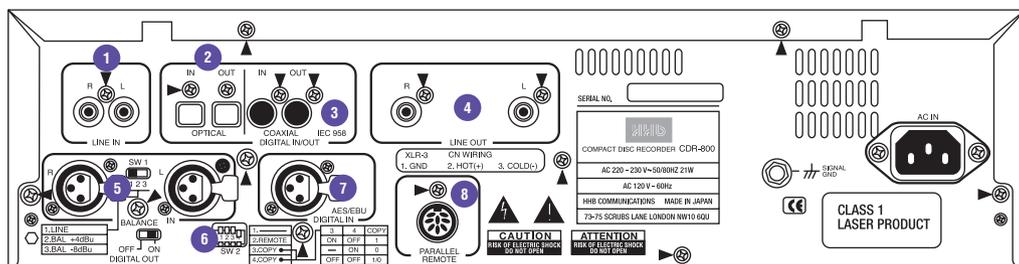
### SETTING SKIP IDs

- 1 Press SKIP PLAY ON/OFF to ensure that SKIP ON does not appear in the display. If this key appears to have no function, it's because there are no skip IDs set on this disc.
- 2 Play the track you wish to skip.
- 3 During the problem track, press SKIP SET. SKIP and SET? appear alternatively on the display. Press SKIP SET again to confirm the skip ID.
- 4 To activate the skip ID on playback, press SKIP PLAY ON/OFF. SKIP ON then highlights in the display.

### CLEARING SKIP IDs

- 1 Press SKIP PLAY ON/OFF to ensure that SKIP ON does not appear in the display. If this key appears to have no function, it's because there are no skip IDs set on this disc.
- 2 Play the track which has the skip ID set that you wish to cancel.
- 3 During playback of the problem track, press SKIP CLEAR. SKIP and CLEAR? appear alternatively on the display. Press SKIP CLEAR again to confirm the deletion of the skip ID.
- 4 If other skip IDs exist on the disc which you wish to retain, press SKIP PLAY ON/OFF such that SKIP ON highlights in the display.

## BACK PANEL CONNECTIONS



- |  |                                      |
|--|--------------------------------------|
| 1 Line inputs, unbalanced, RCA phono.                | 5 Line inputs, balanced, XLR.        |
| 2 Optical digital I/O connectors.                    | 6 Switches enabling copy protection. |
| 3 Coaxial digital (SPDIF) I/O connectors, RCA phono. | 7 AES/EBU digital input, XLR.        |
| 4 Line outputs, unbalanced, RCA phono.               | 8 Parallel remote port.              |



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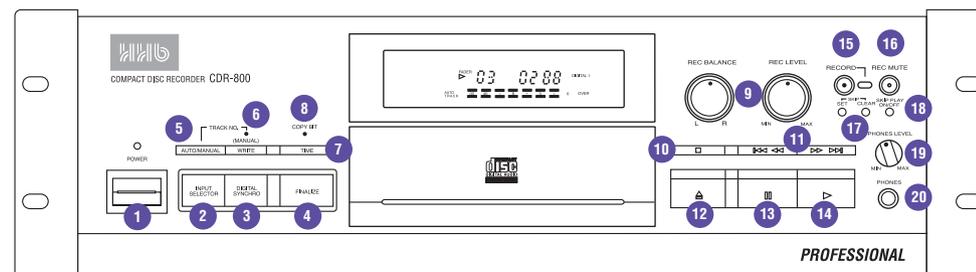
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## QUICK REFERENCE GUIDE

### COMPACT DISC RECORDER CDR800

## FRONT PANEL FUNCTIONS



- 1 POWER switch. Adjacent LED indicates machine's ON/OFF status.
- 2 INPUT SELECTOR switches the signal input between AES/EBU digital, SPDIF co-axial digital, optical digital, and analogue. When set to analogue, dip switch SW1 on the rear panel toggles between unbalanced line level via RCA phonos (setting 1), balanced +4dBu via XLRs (setting 2) and unbalanced -8dBu via XLRs (setting 3).
- 3 DIGITAL SYNCHRO key. Activates recording modes 1 to 3, which can be used to automatically start recording from an incoming digital signal or start/track ID. When in stop mode, this key will change the threshold for automatic ID writing in six 10dB stages from -40dB to - .
- 4 FINALIZE key. Closes the table of contents on a CD-R disc to make it playable on standard audio CD players.
- 5 TRACK NO. AUTO/MANUAL. Toggles the AUTO TRACK function on or off.
- 6 TRACK NO. WRITE. When AUTO TRACK is switched off, the adjacent LED lights and this key can then be used to manually place track start IDs within the recording.
- 7 TIME key. When machine is playing, this key toggles between elapsed time on current track, remaining time on current track, remaining time on CD, and total time recorded on CD. In rec/pause, this key can be used to display the time on the CD yet to be used.
- 8 COPY BIT indicator. Reflects the setting of switches 3 and 4 of SW2 on the rear panel, which sets the copy protection encryption. A lit indicator means that subsequent digital cloning will be allowed (3 on, 4 off); blinking means it will be allowed once only (3 off, 4 on); and unlit means it will be denied (3 on or off, 4 on).
- 9 REC BALANCE and REC LEVEL controls. Used where the signal is derived from the analogue inputs.
- 10 STOP key.
- 11 TRACK SKIP and TRACK SEARCH keys. When pressed and released, these keys will cause the CDR800 to skip to the next track or return to the start of the current track, depending on the direction of the key pressed. When pressed and held, they allow manual searching, at high speed, within the current track.
- 12 OPEN/CLOSE key. Opens and closes the loading tray. Discs should be inserted upside down (recording surface facing upwards).
- 13 PAUSE key.
- 14 PLAY key.
- 15 RECORD key. Places the unit in rec/pause; pressing PLAY will set the unit recording.
- 16 REC MUTE key. During record, this key causes a silence of 3 seconds to be recorded, after which the unit returns to rec/pause.
- 17 SKIP ID SET/CLEAR.
- 18 SKIP PLAY ON/OFF key. Enables and disables the players response to skip IDs.
- 19 PHONES LEVEL control.
- 20 PHONES socket. 1/4" stereo jack.

The CDR800 has five modes of operation for recording a CD. The mode you choose will depend on the format of the input signal, and the way you wish to control the CD's track starts. Modes 1 to 3 are Digital Synchro modes, which trigger recording from the incoming audio signal or start/track ID information, thus ensuring a neat start. However, with the AES/EBU protocol, start/track IDs are not transferable.

#### MODE 1: 1-Track Digital Synchro

The CDR800 records one single track, and returns to record ready. Ideal for making compilation CDs.

#### MODE 2: All-Track Digital Synchro

Records incoming tracks in sequence, stopping automatically after the last track.

#### MODE 3: ID-Sync Digital Synchro

Creates new tracks according to start/track ID information in the incoming datastream. Ideal for making an identical digital clone. Remember that this only applies via the SPDIF co-axial and optical protocol.

#### MODE 4: Manual Digital

Recording is controlled by the 'cassette deck' style transport keys.

#### MODE 5: Manual Analogue

Analogue source recording, controlled by the transport keys, as well as the recording balance and level controls.

**NOTE:** Exactly how these modes write track starts in your recording will depend on the setting of the AUTO TRACK function. See the following page of this quick start guide for details.

## HOW TO RECORD A CD

**NOTE:** Insert a blank disc onto the CD tray with the label side down and the shiny recording surface facing upwards. This is contrary to normal audio CD players.

#### MODES 1, 2 and 3 – Digital Synchro

- 1 Use INPUT SELECTOR to set the digital input format: AES/EBU (display shows DIGITAL 1, IDs not transferable with this protocol), SPDIF (display shows DIGITAL 2), or optical (display shows DIGITAL 1 & 2).
- 2 Ensure that your source player (the unit you are recording from) is not playing (ideally place it in play/pause). The CDR800 cannot enter DIGITAL SYNCHRO mode if the source machine is playing.
- 3 Press DIGITAL SYNCHRO: once to engage Mode 1 (1-Track), twice to engage Mode 2 (All-Track) and three times to engage Mode 3 (ID-Sync).
- 4 The word SYNC will appear in the display in red, after SETUP is displayed, and will flash to indicate that the CDR800 is waiting for audio.
- 5 On receipt of audio, or a start/track ID, the CDR800 will start recording automatically. As this is SYNCHRO mode, recording will stop automatically. However, recording can of course be stopped at any time by pressing STOP. Note that if the digital input has a sampling rate of 48kHz, the CDR800 automatically converts this to 44.1kHz using the built-in sample rate converter.

#### MODES 4 & 5 – Manual Digital / Manual Analogue

- 1 Use INPUT SELECTOR to set the format of signal to be recorded: AES/EBU digital (display shows DIGITAL 1, IDs are not transferable with this protocol), SPDIF co-axial digital (display shows DIGITAL 2), optical digital (display shows DIGITAL 1 and DIGITAL 2), or analogue (display shows ANALOGUE).
- 2 Press RECORD. The CDR800 will enter rec/pause mode, allowing you to monitor signal throughput, both audibly and visibly on the display meters.
- 3 If you are recording an analogue signal (Mode 5) set the REC LEVEL so that the 0 indicator at the right of the display occasionally lights. The red OVER indicator must never light; this will result in distortion.
- 4 At the appropriate moment, press PLAY to start the CDR800 recording. As this is manual mode, recording will continue until manually stopped.
- 5 To stop recording, press REC MUTE. A four second silence will be recorded, after which the CDR800 will enter rec/pause. If you do not want to record this silence between tracks, simply press STOP or PAUSE.

One of the most difficult aspects of CD Recording is controlling the placement of track starts, because once a recording is made it cannot be altered. Each of the five CDR800 modes work slightly differently in this regard, and are further influenced by the setting of the AUTO TRACK function. Again, only the SPDIF digital interface carries information about start/track IDs. Here is a breakdown of exactly how each mode behaves in either setting:

#### MODE 1 – DIGITAL SYNCHRO 1-TRACK

Recording starts on audio or start/track ID only • AUTO TRACK ON: Subsequent IDs cause the machine to go into rec/pause • AUTO TRACK OFF: Subsequent IDs are ignored • Silence of 10 seconds causes the machine to go into rec/pause • When audio starts again, machine does not start recording again

#### MODE 2 – DIGITAL SYNCHRO ALL-TRACK

Recording starts on audio or start/track ID only • AUTO TRACK ON: Subsequent IDs cause a new track start to be written • AUTO TRACK OFF: Subsequent IDs are ignored • Silence of 10 seconds causes the machine to go back into AL-SYNC and wait for next audio • When audio starts again, machine goes back into record with a new track

#### MODE 3 – DIGITAL SYNCHRO ID-SYNC

Recording starts on ID only, audio does not cause the machine to start recording • AUTO TRACK ON: Subsequent IDs cause a new track start to be written • AUTO TRACK OFF: Subsequent IDs are ignored • Silence of 10 seconds causes the machine to go back into ID-SYNC and wait for next audio • When audio starts again, machine does not go back into record • The next ID causes the machine to start recording again

#### MODE 4 – MANUAL DIGITAL

When in record pause mode, pressing PLAY activates record • Mode 4 does not enable track starts to be triggered by incoming audio • AUTO TRACK ON: Subsequent IDs will cause a new track start • AUTO TRACK OFF: IDs are ignored • Silence of 30 seconds causes machine to go into rec/pause

#### MODE 5 – MANUAL ANALOGUE

Recording starts with new track on pressing of play button to activate record • AUTO TRACK ON: Audio levels do not cause a new track start to be written first time, thereafter they do • AUTO TRACK OFF: Audio levels do not cause a new track ever

## FINALIZING CDs FOR PLAYBACK ON STANDARD CD PLAYERS

In order for a CD-R disc to be playable on audio CD players, it has to be closed to the standard CD audio format. This process is known as finalization. Note that once a disc has been finalized, it cannot be recorded on again.

- 1 Insert the disc that you want to finalize.
- 2 Press FINALIZE.
- 3 After a few seconds, you will see the time that the finalization process will take (approximately four minutes) appear on the display.
- 4 If you're sure about finalizing the disc, press PAUSE.
- 5 The display counts down to indicate the progress of finalization. During this time, all the CDR800's functions are suspended.