



## HOW TO RECORD USING DIGITAL INPUTS

1. Insert a recordable disc (CD-R or CD-RW)
2. Use the INPUT SELECTOR to select either the OPTICAL or COAX digital input depending on how you have connected the source machine to your CDR830.
3. If necessary adjust the DIGITAL RECORD LEVEL by accessing D.VOL in the MENU (Function 5). PLEASE NOTE THAT MOST COMMERCIAL RECORDINGS ARE OPTIMIZED FOR LEVEL AND SO IT IS NOT NECESSARY TO ADJUST DIGITAL RECORD LEVEL. Use this control when the signal level is too low or when you want to equalise the level of several tracks.
4. Start the recording manually by pressing RECORD. The CDR830 will first display the type of machine connected to the input (e.g. DAT, CD, MD,) and then display the sample rate of the source material (32, 44.1, 48K). The machine will then flash SET-UP in the display whilst it is performing its Optimum Power Calibration (OPC). Once set-up has stopped flashing, press the PLAY button to start recording. Press STOP to finish the recording.

OR

- Start the recording automatically using SYNCHRO.
- Ensure that the source material is not playing otherwise CHECK INPUT? will appear in the display.
- Press SYNCHRO to select SYNC-1 which automatically copies 1 track (useful for compilations).
- Press SYNCHRO again to select SYNC-ALL which is used to copy all tracks automatically.
- Press SYNCHRO again to select SYNC-FINAL which is the same as SYNC-ALL except that the disc will, in addition, be finalized automatically about 1 minute after recording has finished. Press STOP at any time to manually terminate the recording.

When recording finishes, the display will show PMA REC whilst the Programme Memory Area is written. DO NOT DISTURB OR SWITCH OFF THE MACHINE DURING THIS PROCESS.

## HOW TO RECORD USING ANALOGUE INPUTS

1. Insert a recordable disc (CD-R or CD-RW)
2. Use the INPUT SELECTOR to select the analogue input.
3. Adjust the record level using the ANALOG REC LEVEL control preferably so that the signal peaks as close to '0' dBFS without going 'OVER'.
4. Start the recording manually by first pressing RECORD. The CDR830 will first display ANALOG and will then flash SET-UP in the display whilst it is performing OPC. Once set-up has stopped flashing, press the PLAY button to start recording. Press STOP to finish the recording.

OR

- Start the recording automatically using SYNCHRO.
- Ensure that the source material is not playing otherwise CHECK INPUT? will appear in the display.
- Press SYNCHRO to select SYNC-1 which automatically copies 1 track (useful for compilations).
- Press SYNCHRO again to select SYNC-ALL which is used to copy all tracks automatically.
- Press SYNCHRO again to select SYNC-FINAL which is the same as SYNC-ALL except that the disc will, in addition, be finalized automatically about 1 minute after recording has finished. Press STOP at any time to manually terminate the recording.

When recording finishes, the display will show PMA REC whilst the Programme Memory Area is written. DO NOT DISTURB OR SWITCH OFF THE MACHINE DURING THIS PROCESS.

## AUTO-STOP FUNCTION

- In SYNCHRO recording mode, if the source is 16-bit, recording will automatically stop if the level falls below -96dBFS for 5 seconds or more.
- If the source is 24-bit, recording will automatically stop when the level falls below -90dBFS for 5 seconds or more. This is due to the built in dithering circuitry of the CDR830.

## TRACK NUMBERING IN SYNCHRO & NORMAL MODES

- The CDR830 employs an intelligent track numbering scheme which adapts to the type of signal being recorded. It is also used to determine how the machine starts automatically in SYNCHRO mode.
- The following table shows how this scheme works.

MODE	INPUT	START METHOD	AUTO/MANUAL	TRACK INCREMENT METHOD
SYNCHRO	CD & MD [spdif]	Level > -90dBFS	AUTO	CD, MD Sub-code
SYNCHRO	DAT [spdif]	DAT START ID	AUTO	DAT START ID
SYNCHRO	ANALOGUE	Level > A.LVL in MENU	AUTO	LEVEL Threshold [A.LVL in MENU]
SYNCHRO	CD & MD [spdif]	Level > -90dBFS	MANUAL	None
SYNCHRO	DAT [spdif]	DAT START ID	MANUAL	None
SYNCHRO	ANALOGUE	Level > A.LVL in MENU	MANUAL	None
NORMAL	CD & MD [spdif]	Manual	AUTO	CD, MD Sub-code
NORMAL	DAT [spdif]	Manual	AUTO	DAT START ID
NORMAL	ANALOGUE	Manual	AUTO	LEVEL Threshold [A.LVL in MENU]
NORMAL	CD & MD [spdif]	Manual	MANUAL	None
NORMAL	DAT [spdif]	Manual	MANUAL	None
NORMAL	ANALOGUE	Manual	MANUAL	None

## HOW TO PLAY BACK

1. Insert a recorded disc and press PLAY. The display will show the ▶ symbol.
2. Use the ◀ and ▶ to rewind and fast forward respectively.
3. Turn the DIGITAL RECORD LEVEL, ◀ ▶ during playback to skip backwards or forwards to a different track.
4. Use the supplied remote control to start playback from a particular INDEX number (see operations manual).

## HOW TO ERASE (CD-RW ONLY)

1. There are 5 Erase modes for CD-RW; ERASE TOC (Un-finalizes a CD-RW)  
ERASE LAST (Erases last track)  
ERASE ALL (Erases all tracks)  
ERASE RANGE (Erases a range of tracks)  
INITIALIZE (see page 38 of the operations manual)
2. Press ERASE, then use 9 : to select the required erase mode.
3. Press PLAY.

