

# Make your own CDs!



## Audio CD Recorder + Integrated 3 CD Changer

- Make your own compilation CDs
- 4x recording from internal CD Changer with precision recording mechanism
- Plays computer CDs with MP3 music
- Record compilations at the same volume level with Auto Level Control
- Mix and record your own voice on CD with Stereo Microphone input
- Recorded CD-R discs play on any Home, Portable or Car CD player
- Add your own CD Text to your recorded CDs or copy from the original CD
- PC Keyboard input for easy CD Text operation
- Easy to set-up, easy to use
- Digital & Analog Record Level Control for recordings with the correct volume
- Remote control with CD Text input possibility
- Headphone jack with volume control
- 4 Disc Changer mode
- Advance and easy programming (99 tracks) for recording compilations
- Sample rate convertor for recording from multiple digital audio sources
- Audio buffer for perfect track starts
- Automatic CD Synchro Recording start from all analog & digital sources
- Digital coaxial and optical inputs & line input and outputs
- Direct Line Recording for perfect digital copies (for true bit recording)
- Tray blocking mode for floor samples (trade)
- Instruction video tape included
- Eco power standby mode (<0.6 watts)



Let's make things better.



PHILIPS



# Audio CD Recorder + Integrated 3CD Changer

## standard product information

### Sound Enhancement

#### Split, High Performance Audio Converters

This set is using separate high performance Analog-Digital and Digital-Analog converters (Analog Devices AD1877 and AD1854) to deliver superior audio playback and recording quality. Actually, these are the same components that have been used in award winning Philips CDR950 Premium Audio CD Recorder.

#### Direct Line Recording

Direct Line Recording ensures perfect, digital copies of your CDs by switching off the internal sample rate converter (true bit for bit recording). This means also the information of HDCDs and DTS-encoded CDs is preserved.

#### Automatic Digital Record Level Control

Different CDs typically have different loudness levels. When making a compilation from the internal CD changer, the unit automatically equalises volume levels between CDs, so that unpleasant volume jumps during playback of the recorded CD are reduced.

#### Record Level Adjustment

The volume level from different external sources is not always the same. You can adjust the record level digitally to ensure optimal recordings, no matter what the source.

### Convenience

#### 4 x Speed Recording from CD with precision recording mechanism

Make your own CD in a quarter of the normal listening time, while keeping bit-for-bit perfect quality. With Philips' unique Precision Mechanism both digital audio information and additional information like track pointers are copied with 100% accuracy. This means that the copy is a true 'clone' of the original so that no music gets lost as is the case with PC based CDR drives.

#### CD-Text

No more need to look-up the track you want to play or record in the CD inlay booklet, simply select the track by name from the display, direct from the disc. The display can show both artist and title for the entire album as well as individual tracks. With the CDR, you can also create your own CD Text information for e.g. your own compilations.

#### MP3-CD playback

You can download MP3 songs from the internet on a PC and record them on a CD. This special "MP3-CD" can now be played on this Audio CD Recorder. One MP3-CD can carry up to 12 hours of music (at 128 kbps). This set is designed to playback MP3-CDs recorded with various quality levels (32 kbps to 320 kbps or even variable bit-rates).

#### Standard PC Keyboard input

CD text entry will be a breeze when using the PC keyboard input on the CDR820. Simply hook up a standard PC keyboard (PS/2 style) and you can start entering and editing CD text or control the set (playback, stop, etc.)

#### 4 disc changer mode and large status matrix

Our recorders are not only used for recording, but also for relaxed listening to music. The 4-disc changer mode uses all decks for CD playback or shuffle, to give you longer listening pleasure. The large status matrix displays play, stop, pause, etc., symbols, which are big enough to see from the comfort of your couch.

#### Sample Rate Converter (12-96 kHz)

Some digital equipment will give audio signals with different sampling rates than the CD standard (44.1kHz). The built-in Sample Rate Converter automatically converts anything from 12-96kHz into 44.1kHz, so you can record it on CD.

#### General

- System : Audio CD Recorder + integrated 3CD Changer
- Applicable supply : 117V - 60Hz
- Power consumption : 19W (<=0.6W in standby)
- Operating temperature : 5-35°C

#### Audio

- Digital frequency range : 2 Hz - 22.05 kHz
- Playback S/N : 100 dB (A-weighted)
- Playback dynamic range : 96 dB
- Playback total harmonic distortion + noise : 92 dB
- Recording S/N : 105 dB (A-weighted)
- Recording S/N (Digital) : Recording = Source
- Recording dynamic range : 95 dB
- Recording total harmonic distortion + noise : 90 dB

#### Audio Output

- 1 x Analogue line output: 2Vrms +/- 2 dB / 0.2 kOhm
- 1 x Digital coaxial output: 0.5V (pp) / 75 Ohm
- 1 x Digital optical output: TOS link
- 1 x Headphone output: 3Vrms / 8-2000 Ohm variable

#### Audio Input (level adjustment)

- Direct line recording (bypass SRC) for: 44.1 kHz +/- 100 ppm
- 1 x Digital coaxial input (SRC): 12 - 96 kHz / 0.5 Vrms / 75 Ohm
- 1 x Digital optical input (SRC): 12 - 96 kHz
- 1 x Analogue input: 500 mVrms / 50 kOhm
- 1 x Stereo microphone: 6.5mm stereo jack with level control
- 1 x PC keyboard input: PS/2 style

#### Recording functions

- 1x, 2x, 4x speed recording (disc, track)
- Automatic Level Control for perfect compilations with the same volume level
- Simplified recording modes: Copy CD & Compile CD

- Listen speed recording from disc or track
- Microphone mixing & recording
- Records on all Digital Audio CD-R & CD-RW discs
- Synchro start recording per disc/track
- Add your own CD Text to your recorded CDs or copy from the original CD
- Manual digital recording level control
- Records from all home stereo analogue & digital sources
- Erase disc or (multiple) tracks (CD-RW disc)
- A-B programming (recording fragments of track)
- Auto switch over to analogue recording in case of copy protected track or disc
- Auto finalize/unfinalize disc (CD-RW)
- Manual/Auto track increment
- Display dimming in 3 steps (via remote control)
- Four speed finalizing (makes recorded disc compatible for CD-players)
- Records HD-CD & DTS encoded discs
- Monitor mode

#### Playback functions

##### General

- CD text display during play
- Random CD playback from 3+1 disc (changer)
- Introsca - Pause - Stop
- Direct track selection with Jog
- Search forward / reverse
- Program play (99 tracks)
- Time display switching
- Plays all Audio CDs (120mm + 80mm discs)
- MP3-disc playback with ID3 text decoding

#### Compact Disc Player

- CD-Rewritable compatible
- Motorized front loading 3 CD Changer
- Change 2 discs while playing 1
- CD player plays unfinalized CD-R & CD-RW discs

#### Accessories

- Remote control + batteries
- Audio cable (x2)
- Digital coaxial cable (x1)
- AC mains cord
- Free quick start video

UPC Code : 0 3784990 9379

Product Dimensions: 17.1" W x 4.8" H x 13.7" D

Package Dimensions: 20.4" W x 8.6" H x 16.3" D

Product weight: 13 lbs

Carton contains: CDR820 recorder, Remote Control, Batteries, Operating instructions, Warranty information, instruction video, cables

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