

EC2 Studio

CD Player & Analyser

A true standalone unit providing full CD and CD-R verification. Fully automated verification of Table of Contents, PQ data and Error rates combined with digital audio playback.

- The EC2 Studio is an affordable, easy to use CD and CD-R verifier with applications in Pre-Mastering, Glass-Mastering, Archiving and Broadcast environments.
- CD's are checked against the CD Specifications. Parameters include TOC and PQ information, Status bits, UPC/EAN and ISRC data, full Error statistics and Audio level information.
- The self contained 3U rack mount unit houses a specially selected optical chassi for maximum repeatability and accuracy. This means that the user will always get the same result in the same tester or in any other EC2. Control of the dedicated hardware is handled by an internal PC. Software and format upgrades are easily accomplished via the built in floppy drive.
- Outputs are provided for printer, alarm, headphones, analog audio and digital audio via AES/EBU as well as SPDIF coaxial and optical. Optional are SMPTE time code, PQ Burst, Remote interface and Ethernet network connection.
- Parameters for configuring the Display, File handling, Printing, Auto functions, Warning and Failure Error levels, PQ Burst and DDP file generation can all be set using the accompanying Windows based Setup software. Error statistics can be output to a printer, to a network or to a diskette.
- An optional Windows based Control & Display software, VisionOne, is available for installation on a separate PC, communicating over RS-232 and displaying graphs, tables and TOC/ETOC info on a VGA-screen as well as providing high-resolution print-outs.



StageTech

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Features

Warning/Failure limits: User definable limits determining the display of error indications, messages and alarm triggering.

Printed reports: Reports can be customized for different applications. A System status report and a CD jewel case sized Slip can be printed.

Date/Time stamping: All reports and archive files can be date/time stamped for strict control over testing.

Setup software: Different setups can be created for various test requirements using the accompanying Windows based Setup software. These can be selected on the unit using the built-in file handling.

ISRC: The ISRC and UPC/EAN codes can be shown on the display during playback.

ETOC: When activated, the ETOC command will generate a complete description of the PQ codes, which can then be output as a printed report, a DDP file or a PQ burst (if these options are fitted).

Text entry: Up to four lines of text can be added to the printed reports by using the Setup software and also up to 40 characters can be inserted into any individual test report by using a standard PC keyboard plugged into the unit.

Names: Allows three categories each of 12 user definable names for identifying individual tests.

Options

Flash disk: Gives quicker startup and silent operation in noise critical environments.

PQ burst: Creates the U-matic compatible PQ burst.

SMPTE: Time code output in 30 NDF locked to CD A-time.

Remote interface: Front panel buttons and soft functions can be controlled via this interface.

Transfer option: With the PQ burst, Time Code and Remote options fitted, the unit will allow transfers direct to a 1630/U-matic or Digital Audio Workstation including PQ codes.

Control & Display software: Easy viewing of any desired parameter, either as a graph or in table form, also giving configurable high-resolution printouts.

DDP file generation: Creates DDP files describing the PQ codes on the CD tested.

Network: Allows file transfers over a local network including archive files for central data management.

Measured parameters

Error Rates: BLER, E11, E21, E31, C1 bursts, E12, E22, E32

TOC
- as read from Lead In: Start times for tracks and Lead Out
First and last track number
Status bits
CD format and application codes
Optimum power calibration
Hybrid/multisession pointers

ETOC
- as read from CD: Track, Index and Pause numbering
Track, Index and Pause start times
A-time, R-time
Status bits
UPC/EAN code
ISRC codes

Subcode: Error rate, Error bursts

Audio signal level: Headroom, Levelmeter

Electrical Specifications

Standard: Unbalanced analog audio - RCA
SPDIF digital audio - coaxial and optical
AES/EBU digital audio - XLR
Headphones with vol. - stereo jack
Printer - standard PC
Alarm - 2 pole jack
Keyboard - PC/AT
Communication - RS 232

Optional: Ethernet - BNC or TP
PQ burst output - XLR
Time code output - XLR
Remote - proprietary D sub

Power: 100-240V AC 50-60 Hz 30 W
Switched outlet - 50W Max

Physical specifications

Cabinet: 19 inch 3U rack mounted case
Dimensions: 483 x 133 x 360mm W x H x D
Weight: 7Kgs net, 11 Kgs gross

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