

## DVD AND CD TRAINER (Region 2)

The **ED-845** DVD & CD Player Trainer is an educational instrument designed for the theoretical/practical study of the workings of a DVD & CD player, as well as the operation of DVD-format digital video and audio signals, and digital audio in CD format. The functional structure of the equipment enables its internal composition to be observed, the various signals involved in its operation analysed by means of a block diagram and faults introduced, all in order to aid the student learn diagnostic methods and how to locate breakdowns.

The trainer includes a DVD & CD player using the latest digital signal processing technology, and offering the best features found on the market today. In the training Manual, the theoretical aspects and the description of the circuits are also included basic that compose the equipment.

The instrument is backed up by extensive documentation (which includes a Teacher's Manual, a "Upcoming Digital Technologies Manual" and Technical Documentation Manual), a Test DVD disk, a Test CD disk, an infra-red remote control (batteries included) and an SCART cable.



### SPECIFICATIONS ED-845B

#### DVD & CD PLAYER

- Signal format: PAL/NTSC (without transcoding)
- Region 2
- Disk player: DVD-VIDEO, DVD-R, DVD-RW/-R, DVD+RW/+R, VIDEO-CD, CD-AUDIO
- DivX (MPEG-4 ASP) and MP3 player
- Outputs: Digital Out Coaxial, Line Out Audio, Video Line Out, Euroconnector

#### BLOCK DIAGRAM

The printed block diagram allows a comfortable position for the student to access the test points without losing sight of the mechanics and electronics of the DVD player. The block diagram is made up of the following functional modules, each with the test points for the most important signals involved in operation::

- Pickup
- DVD/CD RF AMP
- SERVO DSP/DATA PROCESSING
- MOTOR DRIVER
- VIDEO PROCESSING
- AUDIO PROCESSING
- SYSTEM CONTROL
- POWER SUPPLY

#### FAULT SIMULATOR

The simulator of failures manipulates electrical points of the DVD allowing to cause a large number of failures·

#### DOCUMENTATION CD-ROM INCLUDED (in CD-ROM)

- User's Manual
- CD & DVD Player User's Manual
- Exercise Manual
- Teacher's Manual
- Upcoming Digital Technologies Manual
- Technical Documentation Manual

#### ACCESSORIES INCLUDED

- Remote control
- 2 AA-format R6 units
- Shielded Euroconnector Cable
- Test DVD disk
- Test CD disk
- Book "Everything you need to know about DVD" (or similar)
- SCART cable