



DIGITAL SATELLITE RADIO TRAINER

MODEL - DSR100

This trainer has been designed with a view to provide theoretical and practical knowledge of a general Digital Satellite Radio (DSR) on SINGLE PCB.



FEATURES

1. The main circuit board is soldered on single PCB.
2. The students can visually observe the electronic circuits and mechanical parts easily.
3. The block diagram is printed on single PCB.
4. Fault creation facilities are provided by switches.
5. About more than 10 faults can be demonstrated on this trainer.
6. Section wise different colored screen printed circuit on the PCB for easy understanding of functions of different sections.
7. Typical IC s are provided on sockets.
8. Explanation, Observation, Alignment and adjustment of internal and External controls is possible at a glance due to single PCB.
9. Easy identification of different parts of DSR at a glance.
10. Easy measurement of Voltages and observation of waveforms at any point. Also typical voltages and waveforms are provided.
11. A manual having 10 practical is provided with this trainer.
12. The whole circuit of DSR is explained section wise in detail in the manual.

In keeping view of SIGMA policy of continuous development and improvement, the Specifications may be changed without prior notice or obligation.

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Dealer:-

SPECIFICATIONS

1. Channels : 40 digital stations 24 hours in digital CD quality sound.
2. Antenna : Through a small satellite antenna measuring 4"x 4".
3. Antenna cable : 5 meters
4. Remote controller.
5. 40 Channel Presets
6. Stereo line out.
7. Headphone socket.
8. Back light illuminated LCD.
9. Data Port.
10. Audio Amplifier : 10W PMPO
11. Faults : 10 No.
12. PCB Size : 14" x 11" with Block diagram in multicolor section wise.
13. Power supply : 230V + 15% AC, 50 Hz, 60 watts.
14. Standard Accessories : 1. Trainer PCB with LCD display.
2. A Manual having 20 practical.
15. DSR Subscription Connection : To be provided from World Space Radio for 5 months subscription worth Rs. 1000/-, After that customer has to renew himself worth his own fund.

EXPERIMENTS

1. To Study Specifications of DSR.
2. To Study Safety precautions
3. To Study the Block Diagram and working principle
4. To Study the terms, definition and nomenclature used
5. To Study Input/output signals of different sections
6. To Study Complete circuit with different sections
7. To Study Remote Section
8. Understand External and internal controls
9. To understand/observe the function of external and Internal controls
10. To measure Test Point Voltages for different sections
11. To observe Test Point Waveforms for different sections
12. To understand the Alignment and adjustment procedure
13. To demonstrate and understand different types of faults
14. To study faults diagnosis method
15. To study glossary of the Technical Words
16. To study Complete Schematic Circuit Diagram