

Understanding DTH System



Sciencetech TechBooks are compact and user friendly learning platforms to provide a modern, portable, comprehensive and practical way to learn Technology. Each TechBook is provided with detailed Multimedia learning material which covers basic theory, step by step procedure to conduct the experiment and other useful information.

Sciencetech TechBook 2664 DTH Receiver System is a versatile platform useful for students to learn the concept of DTH and its troubleshooting. Sciencetech 2664 is housed in an elegant cabinet with proper block diagram on the mimic. 2664 is provided with fault creating and troubleshooting facility to understand the working of DTH.

DTH (Direct to Home) is a satellite-aided TV rebroadcast system, featuring a compressed digital encoded signal for uplink/downlink.

Today most satellite TV customers in developed television market get their programming through a Direct Broadcast Satellite (DSB) provider, such as Doordarshan DTH platform. The provider selects programs and broadcast them to subscribers as an attractive package. Unlike earlier, the provider's broadcast is completely digital, which means it has high picture and stereo sound quality.

Features

- ▶ **Compact design**
- ▶ **Comprehensive learning solution on DTH**
- ▶ **Functional block diagram indicated on main board**
- ▶ **Manual & Remote Control operation**
- ▶ **Composite Video output and RF output**
- ▶ **Fault creation and diagnosis**
- ▶ **Online Product Tutorials**
- ▶ **2 Year Warranty**

Scope of Learning

- ▶ Introduction and basics of DTH system
- ▶ Understanding various components of DTH receiver system
- ▶ Study of various blocks of DTH system
- ▶ Study of working principle of DTH system
- ▶ Various types of fault creation and troubleshooting

Technical Specifications

RF Input	: 950 - 2150 MHz
Input Impedance	: 75Ω
RF Output	: 470 MHz to 862MHz
Dish Input	: F - Connector
Composite Video Output	: RCA type
Audio Output	: RCA type (L/R)
TV Output	: RCA type
Video Output	: PAL
IF Frequency	: 70MHz
Video Output level	: 1Vpp (75 load)
Uplink Satellite	: INSAT 4B
Controls	: Channel Up/Down, Volume Up/Down, Power On/Off.
Test Points	: 17 nos.
Product Tutorials	: Online (Theory, procedure,reference results, etc),
Dimensions (mm)	: W 326 x D 252 x H 52
Power Supply	: 110V - 260V AC, 50Hz/60Hz
Weight	: 1.5 Kg. (approximately)
Operating Conditions	: 0-40°C, 85% RH
Included Accessories	: Mains cord, Power Supply, Remote, RF Cable, Audio/Video Card, Dish Antenna with accessories, LNB
Pencil Cell	: 2 nos.
Dish Connecting wire	: 10 meter (approx.)

* **Computer Monitor not included in the standard supply**

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