

Lehar



S-Band Broadcast Receiver



Lehar is a very compact S-band satellite broadcast receiver with integrated S-band antenna, capable of receiving satellite signals and demodulating them to provide digital data over USB to a host system such as Smart-phone, Tablet/PC. An application on the host system decodes the audio & video data.

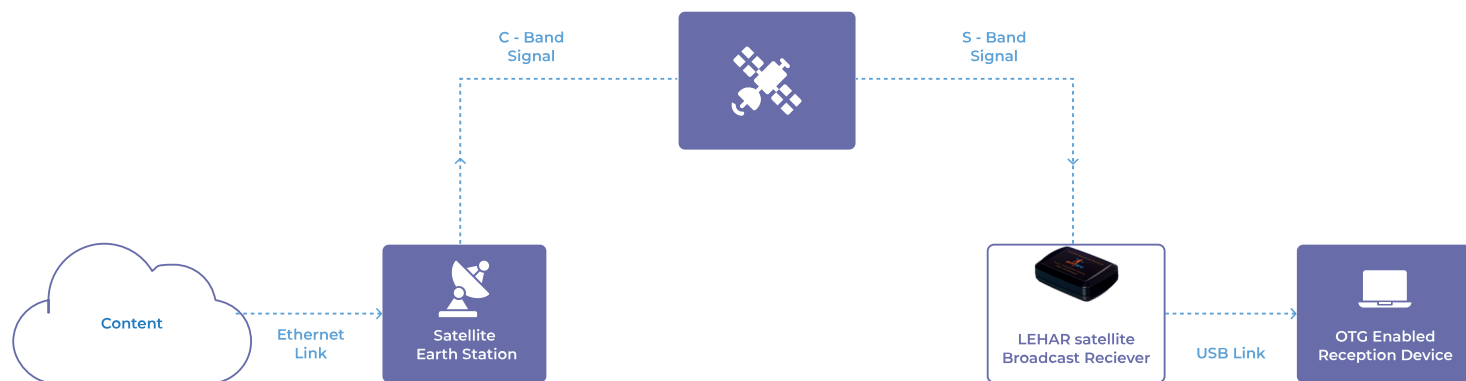
Lehar connects to a host system via USB OTG cable and can be used for a variety of

applications including providing broadcast content to inaccessible areas and providing emergency and disaster warning signals to remote areas.

Lehar receives S-band satellite broadcast signal over ISRO's GSAT Satellite. The demodulator based on Saankhya's patented Software Defined Radio (SDR) chipset demodulates the signal and an application installed on the host system decodes the content and displays it on the device.

Features

- ✓ Portable handheld S-band DVB-S Broadcast receiver with integrated patch antenna
- ✓ USB Powered & operates with any USB/OTG or a PC / Laptop / Mobile devices
- ✓ Android and Windows Applications
- ✓ Supports Audio, Video and Data
- ✓ Linux drivers available



Network Diagram

Benefits

**Compact and lightweight****Low power consumption can be powered through USB****Operation through any USB OTG or PC/Laptop****Signal reception in remote inaccessible areas without mobile network connectivity****In built antenna, so no requirement for external antenna****Android, Linux and Windows based system**

Technical Specifications

Frequency Band

S-Band 2560 - 2590 MHz

Symbol Rate

144 Kbps - 5.5 Mbps

Waveform

DVB-S / IESS-308 / 309 Compatible

Dimensions

105 mm x 74 mm

Weight

95 gms

Power Supply

USB Powered Low Power Consumption ~ 2 W

Antenna

Patch Antenna with > 2.5 dBi gain

RF Sensitivity

-95 dBm @ 5.5 Msps

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