

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



Supports Audio, Video and Data

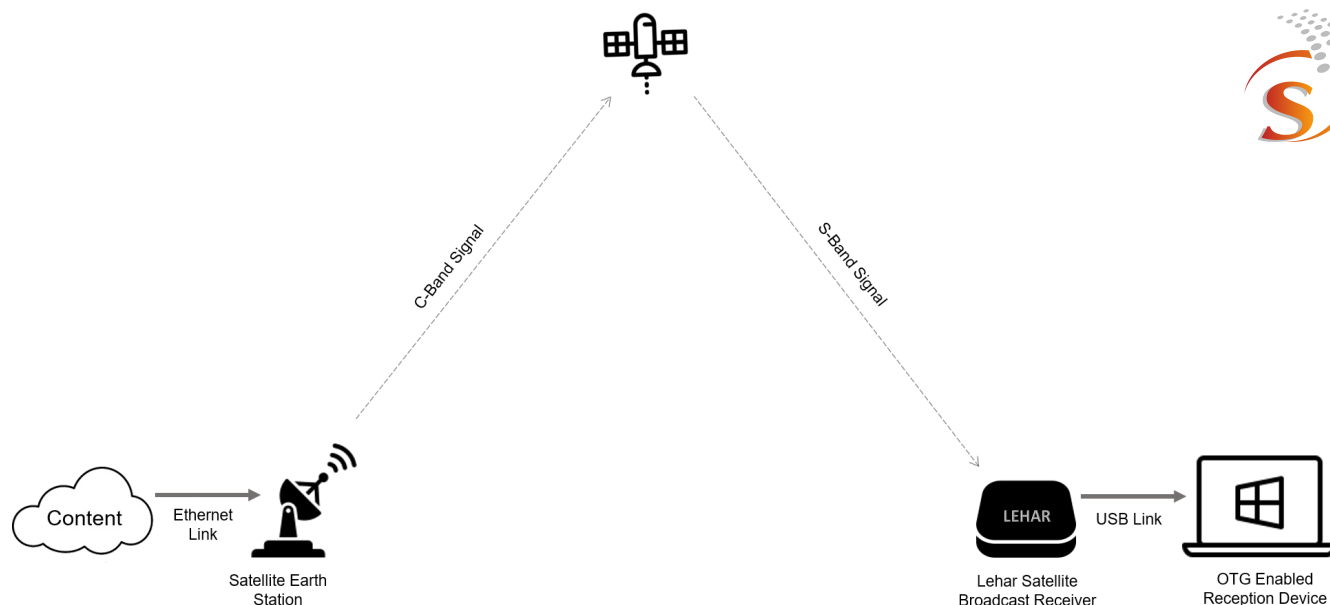


Android and Windows Applications



Linux drivers available





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