Satellite Phone Indoor Amplifier Device

JTD-RP-SA19A

JIETONG DIGITAL
GET CONNECTED

Inmarsat & Thuraya Phone Suitable



The Satellite Phone Indoor Amplifier Device is a device let your Inmarsat or Thuraya satellite phone can normally use in the room. (Used in the boat, vehicle, building etc).

Install this device with our special outdoor antenna and omni indoor antenna, making you keep in touch with others freely even in the room, you can call out and receive the incoming call even in the room, no need go out to search the satellite signal and wait for register, and at same time, the device can support up to 100 sets satellite phone communication at same time in the room which cover up to 400 square meters.

Key Features

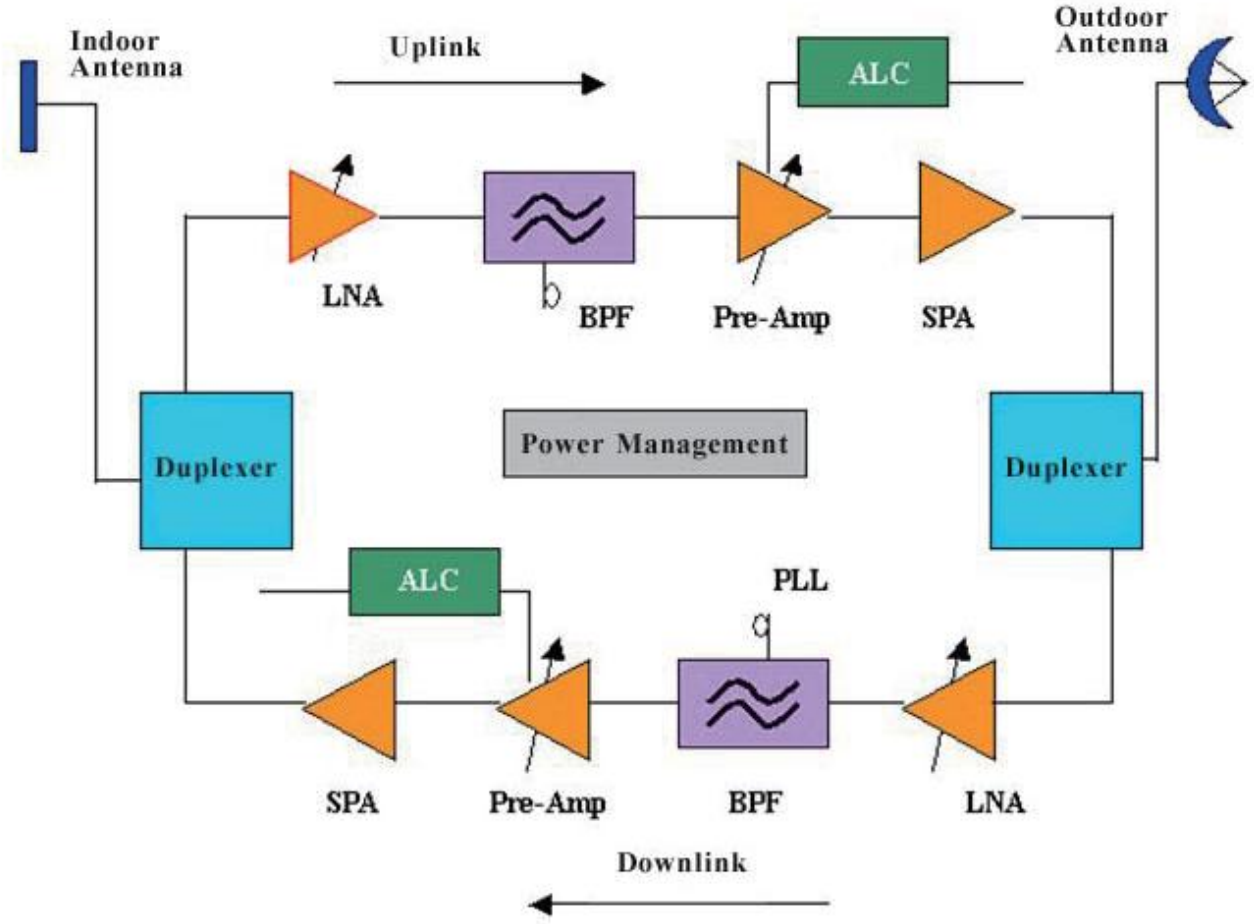
- Simple operation and convenient installation.
- Supports communication for up to 100 satellite phones simultaneously.
- Large satellite signal coverage area, up to over 400 square-meters.
- Powerful expandability: Supporting optional supporting services upon user requirements, including satellite-signal-level adjustment, satellite-antenna lightning-protection, and enhancement of indoor output signal, etc
- Keep your Satellite phone on communication status even in the room. Avoid miss coming call when you are in the room. And also you no need going outdoor for searching the satellite signal.
- The device can suitable for Inmarsat Isatphone Pro, Thuraya SO-2510, SG-2520, Thuraya XT etc models, and also BGAN Terminals.
- Keep your satellite phone can move freely, unlike Fixed Satellite phone which can't move, and also you can freely hand carry your satellite phone when need go out.

All specifications are subject to change without notice. ©2021 Jietong Digital Technology Ltd. All Rights Reserved. Website http://www.jtd.com.tw

Add:11169 2F,No 141,Fu-Gang St. Shilin Dist., Taipei City, Taiwan Tel:+886-2-28828979 Fax:+886-2-28829196 E-Mail: sales@jtd.com.tw

Principle

The basic principle of this device is that the outdoor antenna receives the downlink signal from the satellite (Inmarsat or Thuraya), through high selectivity band-pass filter to well isolate the pass-band signal, after amplifying by integrative power amplifier, then transferred by indoor antenna, meanwhile, on the way of uplink path, signal of satellite phone in the coverage area is transmitted to the satellite after disposing by uplink amplifying link path by same working mode.
For the Inmarsat and Thuraya satellite network system, downlink signal including: satellite and GPS L1 2 signal. The device has Automatic Level control (ALC) System, automatic control the gain according to the circumstance.

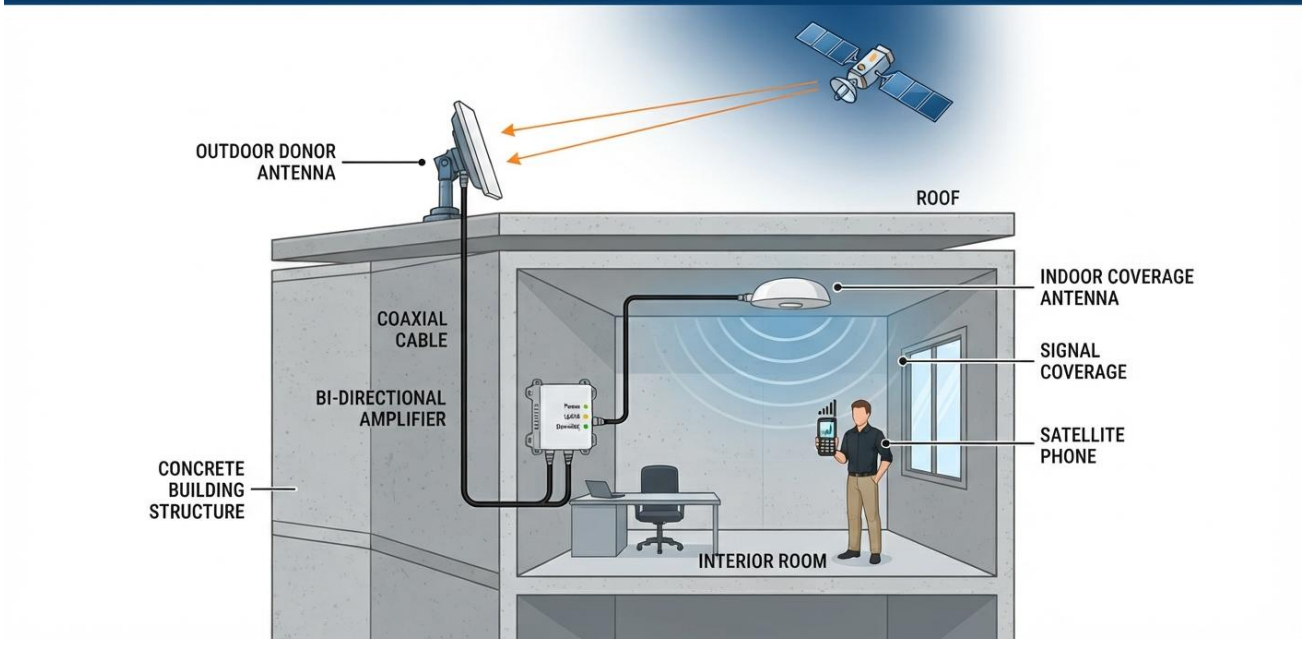


 ©2021 Jietong Digital Technology Ltd. All Rights Reserved.
Add:11169 2F,No 141,Fu-Gang St. Shilin Dist., Taipei City, Taiwan Tel:+886-2-28828979 Fax:+886-2-28829196 E-Mail: sales@jtd.com.tw

Specifications

Items	Specifications	
	Receiver	Transmitter
Frequency Range	1525~ 1585.67MHz	1626.5~1660.5MHz
Output Power	19±2dBm	19±2dBm
Maximum Gain	>62dB	>66dB
Isolation of Downlink	>125dB	
Noise Figure	≤5dB	
Pass-band Ripple	≤5dB	
Impedance	50Ω	
VSWR	≤1.8	
Connector Type	2xN-Female	
Power Supply	Input:AC100~240V,50/60Hz(External Power Adapter)	
Dimensions	318x265x113mm	
Weight	≤10kg	
LED Indicator	Power Supply	
Operating Temperature	-20 ~ +50 °C	
Application	Indoor(IP30)	
Relative Humidity Range	≤ 85%	
Mounting	Wall Mounting	
Accessories	1PCS Outdoor Donor Antenna with 25meters Jumper, 1PCS Indoor Coverage Antenna with 5meters Jumper	

SATELLITE PHONE INDOOR REPEATER SYSTEM INSTALLATION DIAGRAM



All specifications are subject to change without notice. ©2021 Jietong Digital Technology Ltd. All Rights Reserved. Website http://www.jtd.com.tw

Add:11169 2F,No 141,Fu-Gang St. Shilin Dist., Taipei City, Taiwan Tel:+886-2-28828979 Fax:+886-2-28829196 E-Mail: sales@jtd.com.tw