

# Auto Up-Link Power Controller

Model No: JC-SC-UPC31



Land



Air



Marine

Jisnu's AUPC is a micro controller-based system which is used to control the Up-link power proportional to the attenuation experienced in the received signal strength. The unit accepts L-Band Signal (950 to 2150 MHz) from the Modem in the Down-Link chain and AGC voltage from the Beacon Tracking Receiver depending on which it adjusts the level in Up-Link chain. The level adjustment is possible upto 20 dB in steps of 0.1 dB to 0.5 dB (selectable), used in C, Ext-C, Ku and Ka Band uplink transmission Stations.

## Applications

- SATCOM application with high fading condition in higher frequency band.
- Automatic Output power control without human interference.

## Features

- Covers complete L band Range (950 MHz to 2150MHz)
- User selectable rain attenuation range 10 dB / 20 dB
- Failsafe path
- Automatic correction of rain fading in Ku & Ka band
- User Friendly MMI
- Ethernet for remote application



## Technical Specifications

Functional	
Input Frequency	950 to 2150 MHz
Input Range	-10 to -35 dBm
Nominal Input	-20dBm
Output (at Nominal Input)	-20 to -10 dBm for 10 dB Attn. -20 to 0 dBm for 20 dB Attn.
Input Damage Level	+10 dBm
Output 1 dB Compression	+10 dBm
Ref. Level Set	0 to 19.9 dB
Analog Voltage	0 to 10 Volts.
Attenuation Range	10 dB / 20 dB (Selectable)
Attenuation Step	0.1 to 0.5 dB (Selectable)
Input/ Output Connectors	N (F)
Input/ Output Impedance	50 ohms
Interface	SNMP over Ethernet
Electrical	
Power	230V AC 50Hz
Mechanical	
Mounting	19-inch 1U Rack mountable
Size	485 L X 310 D X 44 H in mm
Weight	< 4.5 Kgs
Environmental	
Temperature - Operating	0° to +50°C
Temperature - Storage	-10° to +60° C
Humidity	Upto 90% RH Non-Condensing

