



STELLA DORADUS

ROUTERAMP

Industrial grade cellular amplifier for mobile routers.
Maintain mobile signal in remote locations.



The RouterAmp is an industrial grade cellular amplifier for vehicles that works with all mobile operators. It ensures that the cellular router inside the vehicle stays connected to mobile signal in remote regions.

When connected to the our monitoring platform, StellaControl, it can be remotely managed, monitored and adjusted, as well as receive real-time measurements of signal power and gain for each band.

- Boosts all operators - Works with all routers.
- 5G/4G/3G/2G.
- Bands : B28/B20/B8
- Regions: EMEA
- Conforms to E.T.S.I specifications
- Remote monitoring.



Bands	B28	B20	B8						
Downlink (MHz)	758-788	791-821	925-960						
Uplink (MHz)	703-733	832-862	880-915						
Region	EU/US	EU	EU						

Amplifier Specs

Gain	Uplink Gp: 15dB Downlink Gp> 15dB
Pass band ripple	<4dB
I/O impedance	50 ohm/SMA female connector
Max up/down signal strength	30dBm / -25dBm
Ambient Temperature	-30°C to +70°C
Power supply input	48V
Oscillation Control	Automatic
AGC Level Control:	Automatic!

Pepwave

Huawei

Siemens

Teltonika

Cisco

TP-Link

Asus

Airbridge

Power control:



The RouterAmp (RA) amplifies both the uplink (UL) signals from the cellular router, and the downlink (DL) signals from the operator's mast, by 15dB.

On the UL, the signals from the router are amplified up to a maximum power of 30dBm. If the radio cards inside the router send a signal to the RouterAmp greater than 30dBm, the RouterAmp automatically reduces its gain. This maintains the maximum UL power at 30dBm.

Remote Monitoring – Stellacontrol

The RouterAmp can be monitored and managed remotely on the Stella online platform – Stellacontrol. Remote monitoring allows remote setup, optimization and control of the system at all times.

LEDs

-  Downlink signal power.
-  The band is switched on. This happens when a data session is initiated. Once the data session is over, the band switches off and the blue dot also switches off.