

Marine Router Amplifier



700-2600MHz

JTD-BDA- AT54A27B (2X2 MIMO)

JIETONG DIGITAL

GET CONNECTED

B28+B8+B3+B1+B7

The Router Amplifier is an industrial grade cellular amplifier for ships that works with all mobile operators in the EMEA and Americas. It ensures that the cellular router is connected to mobile signal as far out as 30km from the coastline. It has up to 4 ports that can connect to 2 radio cards in 2X2 DL MIMO configuration. It is compatible with the latest 5G routers. For routers with 2 radios, the Router Amp reduces the number of cables to the outdoor antennas by a factor of 2.

When connected to Cloud NMS, it can be remotely managed, monitored and adjusted, as well as receive real-time measurements of signal power and gain for each band.

In By-pass mode, the amplifier can be bypassed when in urban areas. This allows the router to receive more bands including 5G at 3.6GHz.

Key features

- ✧ 15dB Gain- compensates for cables to outdoor antenna.
- ✧ High Uplink power to ensure stable mobile connection far from base stations.
- ✧ Boosts up to 2X 5G radio cards at the same time.
- ✧ 2x2 DL MIMO, RX Diversity.
- ✧ Boosts all operators - Works with all routers.
- ✧ 5G/4G/3G/2G.
- ✧ Remote monitoring and management via 4G wireless modem.
- ✧ By-Pass mode - avail of 3.5GHz 5G when near base stations.



Specifications

Items		Specifications
System		B28/B8/B3/B1/B7
Frequency Range	Uplink	703-733/880-915/1710-1785/1920-1980/2500-2570MHz
	Downlink	758-788/925-960/1805-1880/2110-2170/2620-2690MHz
Bandwidth		45/35/75/60/70MHz
Max Signal Strength	Uplink	27±2dBm
	Downlink	-25±2dBm
Maximum Gain	Uplink	15±3dB
	Downlink	15±3dB
Pass Band Ripple		<4dB
I/O Impedance		50Ω
RF Connector		4xSMA-Female(2 Ports for Input,2 Ports for Output)
Power Supply input		AC110-240V or DC 12V
Oscillation Control		Automatic
AGC Level Control		Automatic
Uplink Switch On		Yes
AGC Range		30dB
Ambient Temperature		-30 ~ +70 °C
Surge Protection		SMA connectors DC grounded, 12V DC port MOV Protected
By-Pass Mode		Yes
Power Supplies		12V,7A
Region		EU
Dimensions		265x265x113mm(★)
Mounting		Wall Mounting
Weight		<10KG

★Product appearance depends on goods

Applications

Boosting Mobile Signal

The Marine Router Amplifier is the ideal product to boost and distribute a 5G/4G/3G/2G mobile signal on a boat, ship or marine vessel. Supporting voice and mobile internet for multiple mobile devices, boosting your mobile coverage at sea has never been easier. Typical setup includes a marine antenna up high in the vessel to receive the mobile signal, which connects into the Marine Router Amplifier. An antenna down on deck connects to the Marine Router Amplifier to disburse the boosted signal to the Cellular Router. We offer systems for all mobile operators.

