

DATA SHEET

Reference Cost: 5000USD/Band

100W Vehicle-mounted Multi-Channel
Radio Jammer

JM-20500

Product Features

- 1.All modules use DDS digital interference source: frequency, power, switch state, waveform mode of configuration source can be set.
- 2.Modular design of the internal structure, each module can be plugged and unplugged arbitrarily, and the frequency of use can be adjusted arbitrarily, each module is independent of each other, even if a module fails, it can be replaced directly by plugging and unplugging without affecting other modules normal work.
- 3.The interference frequency band has two selection modes: automatic and manual.
4. The protection channel can be set to protect the communication of the other party from interference.
- 5.The module is equipped with a liquid crystal display to display the frequency, power and switch status of the module. Each module can be turned on and off independently or by the software of the whole machine, and has power supply, operation, and standing wave alarm display lights.
- 6..Remotely monitor all data of the whole machine and set all parameters through the network interface.it can control the power switch of all modules with one key, or control the power switch of a module separately.
- 7.The whole machine has a network control system. After connecting the device and the computer with a network cable, set the frequency, power, switch, etc. through the software of the whole machine, and query all system parameters.
- 8.The built-in intelligent temperature cooling system ensures that the host can start up and work for a long time.
- 9.High-gain omni-directional antenna with a flange for easy vehicle installation.



System Parameter

	Frequency	Signal type	RF power
Frequency band	20-100 MHz	Toy remote control device,	100W
	100-200MHz	walkie-talkie	100W
	200-300MHz	walkie-talkie, wireless remote control	100W
	300-400MHz	walkie-talkie, drone	100W
	400-500MHz	walkie-talkie, drone	100W
	500-600MHz	satellite phone, navigation	100W
	800-900MHz	walkie-talkie, drone	100W
	1515-1630MHz	satellite phone, navigation	100W
	2400-2485MHz	WIFI, Bluetooth, remote control, drone, etc.	50W
	5725 -5850MHz	WIFI, Bluetooth, remote control, drone, etc	50W
Temperature humidity	-20°C~+50°C/≤80%		
Overall reliability	MTBF not less than 1000 hours		
System response time	No more than 30 seconds (from power-on to system normal working time)		
Cabinet design	Internal integral aluminum frame design, external sheet metal shell		
Power supply	AC: 110V~240VDC : 28V		
Weight	< 50Kg		

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Software Screen Shot

Automatically identify the number of modules in the whole machine, and obtain all parameter data of the modules.

Channel	FreqRange	Band1	Band2	Band3	Band4	RF Out Power	RF Switch	VSWR	Working Voltage	Working Current	Temperature
CH1	100 500	100 500	0 0	0 0	0 0	50 i6-50dBm	ON	Normal	26V	0A	43deg
CH2	756 798	756 798	0 0	0 0	0 0	50 i3-50dBm	ON	Normal	27V	0A	43deg
CH3	2105 2170	2105 2170	0 0	0 0	0 0	50 i4-50dBm	ON	Normal	26V	0A	45deg
CH4	2620 2690	2620 2690	0 0	0 0	0 0	50 i7-50dBm	ON	Normal	26V	0A	41deg
CH5	1570 1580	1570 1580	0 0	0 0	0 0	50 i3-50dBm	ON	Normal	26V		
CH6	20 100	20 100	0 0	0 0	0 0	50 i6-50dBm	ON	Normal	26V		
CH7	2300 2485	2300 2485	0 0	0 0	0 0	50 i3-50dBm	ON	Normal	27V		
CH8	1805 1880	1805 1880	0 0	0 0	0 0	50 i3-50dBm	ON	Normal	26V		

Matters Need Attentions

A: Check out the box

- 1) Check the main equipment and accessories listed above. If any part is missing, in order to ensure the normal operation of this product, please contact the equipment supplier;
- 2) Confirm the number of antennas and the marks on the antennas: confirm whether they are in one-to-one correspondence with the host module;

B: Antenna erection

- 1) During regular use, directly screw on the machine one by one according to the markings to ensure firm fixation;
- 2) The low-frequency antenna is relatively long, and it is usually recommended to install it at the rear of the car when it is used in a car;
- 3) The high-frequency antenna is usually installed on the roof of the car. It is recommended to make an antenna stand with a flip mechanism. The antenna can be folded on the roof when not in use;
- 4) The antenna must be firmly fixed, and the antenna must be screwed to the tightest when it is connected to the host or through a feeder line;
- 5) It is usually recommended to use off-road vehicles to modify;

C: heat dissipation and ventilation

- 1) This equipment has an intelligent heat dissipation and ventilation system, and the equipment itself does not need to do auxiliary heat dissipation;
- 2) When the car is modified, the vehicle should be refitted for cooling and ventilation. It is recommended to increase the air inlet and outlet to ensure the air circulation in the car;

