

# User Manual

## Accessories:

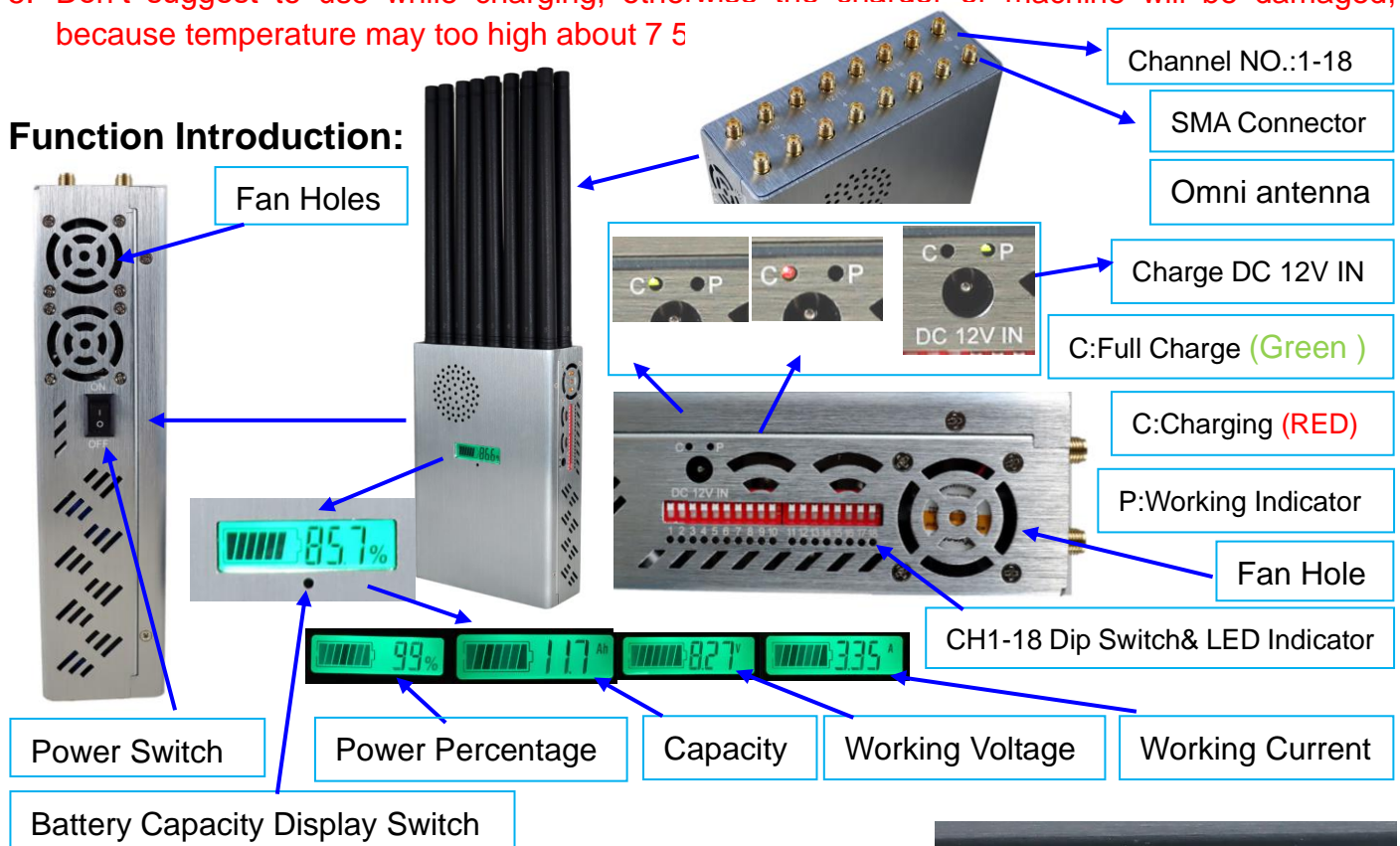
Main unit x 1pcs  
Nylon Cover x1pcs  
Power adapter x 1pcs  
Car charger x 1pcs  
Omni antenna x16pcs  
(2 x dual bands design)



## ◆ Install steps:

1. Please charge battery at least 10 hours before first-time use.
- Turn off power switch before charging. Charging indicator shall lights on **RED** when charging the battery, the indicator will turn to **GREEN** color while finished.
- Please install antennas and tight up according to the number indicator, the antennas are already connected and can be used directly (**default** )
4. Turn on the power switch and the Power LED shall light in Green and the LED of each band will turn on too.
5. **Don't suggest to use while charging, otherwise the charger or machine will be damaged, because temperature may too high about 75**

## Function Introduction:



## ◆ Each band could be chosen operating or not.

1. Find the dip switch on the side of the device as left picture. The number indicators are corresponding to the number of antennas, LED turns on which indicate operating.





2. 18 arrows toward from OFF to ON (default), by dip switching ON →OFF, each band could be disable.
3. The corresponding LED indicator shall be turn off.
4. External higher gain antennas (NO.12/13 & NO.15/16 antennas with dual bands design to reduce interference problems caused by too many antennas ).



## Specification:

Channel	Output port	Frequency range
CH 1	UHF/ 5G600	400-470 or 617-685MHz
CH 2	4G700	700-803MHz
CH 3	5G3500	3400-3600MHz
CH 4	4G2300	2300-2400MHz
CH 5	WIFI5.2G	5100-5500MHz
CH 6	GPSL2L5	1170-1280MHz
CH 7	5G1500	1427-1518MHz
CH 8	4G2600	2496-2690MHz
CH 9	VHF/LOJACK	135-175MHz
CH 10	GPSL1	1570-1610MHz
CH 11	RC315	315MHz
CH12 / CH 13	PCS1900	1920-2000MHz
	CDMA850	850-894MHz
CH 14	RC433	433MHz
CH 15/ CH 16	WIFI2.4G	2400-2500MHz
	WIFI5.8G	5500-5900MHz
CH 17	5G3700	3600-3900MHz
CH 18	3G2100	2110-2180MHz
Power supply: adapter 50 to 60Hz AC (110-240V AC/12V DC) Car Charger: DC12V IN		
Dimensions: (length ,width, height) 190x126x46mm (without antenna) Length of antenna :195mm Gain:2.0dbi		
Packing size: 330*250*80mm Net weight: 1.6kg Gross weight: 2.5kg		
Total power: 18W Shielding radius: (2-25) meters at -75dBm Still depends on the strength signal in given area Built-in battery:7.4V/12000mAh Continue working: around 2.5 hours		
Warranty: one year from delivery date		



## Notice:

1. Do not power on if antennas are not connected one by one.
2. The functional coverage is greatly affected if antennas are not installed correctly. Do ensure the antennas are properly connected before usage.
3. When power on, keep away from computer, notebook PC, television, audio and AM/FM radio to prevent interferences.
4. The normal operational temperature is about 45-60° C. If the temperature is higher than the above, turn off the power immediately and contact local agent for help.
5. Its functional coverage will depend on the location and strength of the ambient mobile phone base stations.
6. Placing the device on higher position for better coverage. 2 meters height is recommended.
7. The Ni-MH rechargeable battery has estimated 500 times recharge cycles. Please contact the local agent to replace battery if it is not rechargeable.

