


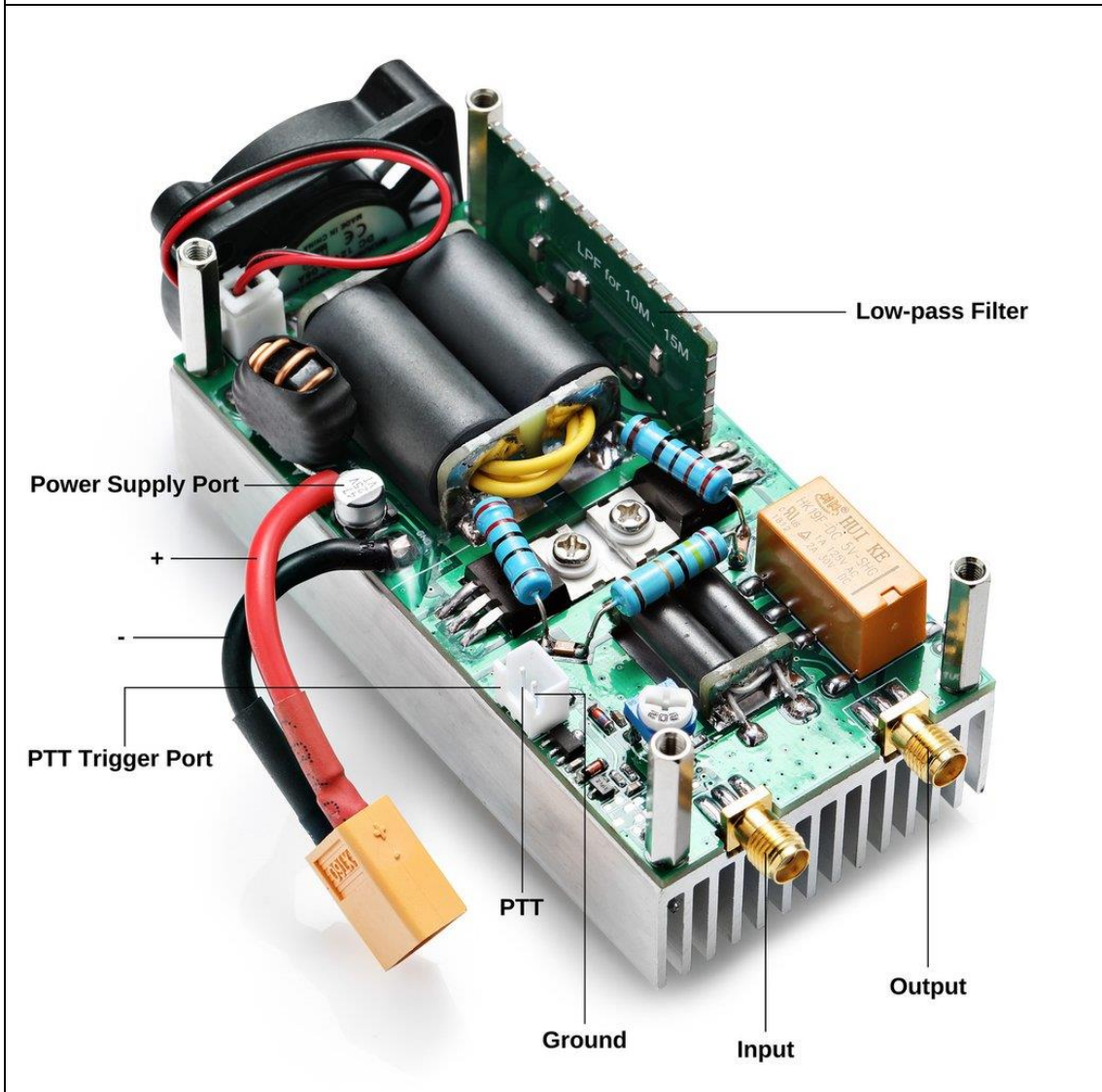


Accessories

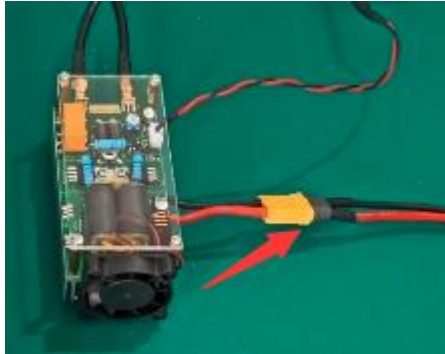
Power cable A	Input & output feeder B	PTT trigger cable C
		

Product

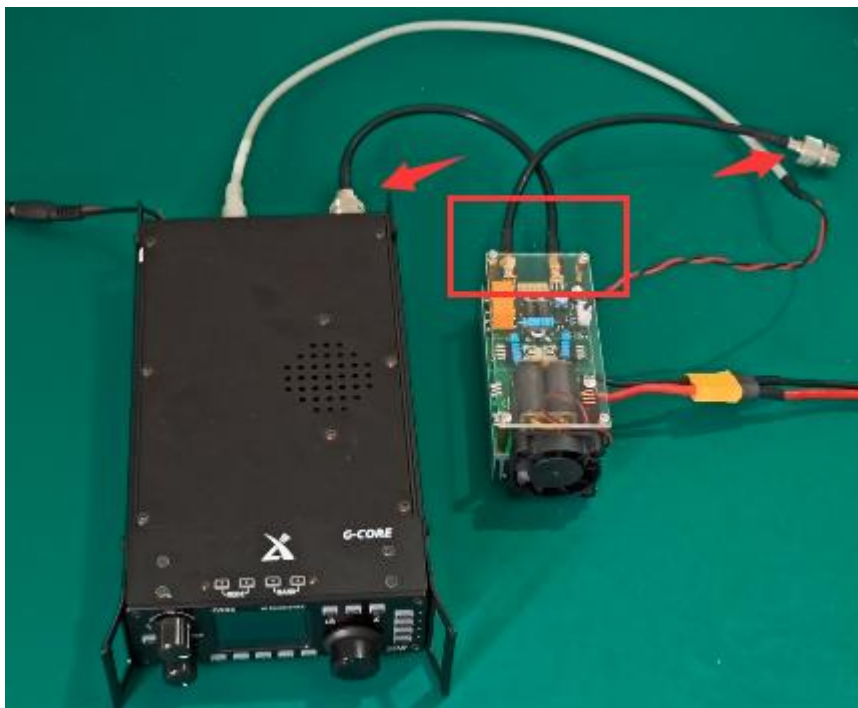
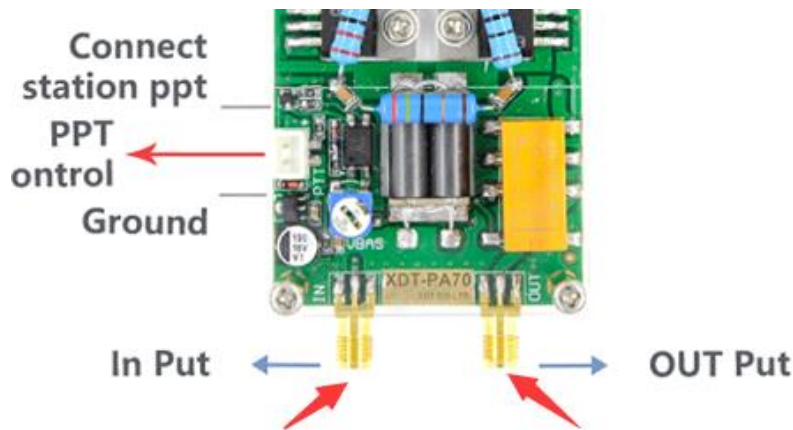


## Installation Steps: (Only for XIEGU G90/X5105)

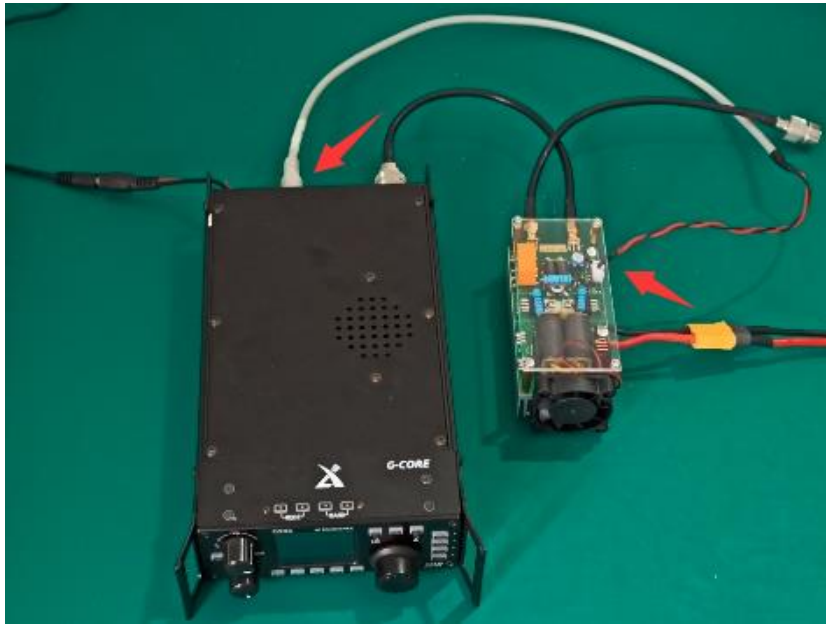
1. Connect the power cable to the power interface of G90 (supply voltage: 12V-16V, 100W/15.8V; 70W/13.8V...which can reach 100W. The average CW is 95W, the average SSB is 85W.)



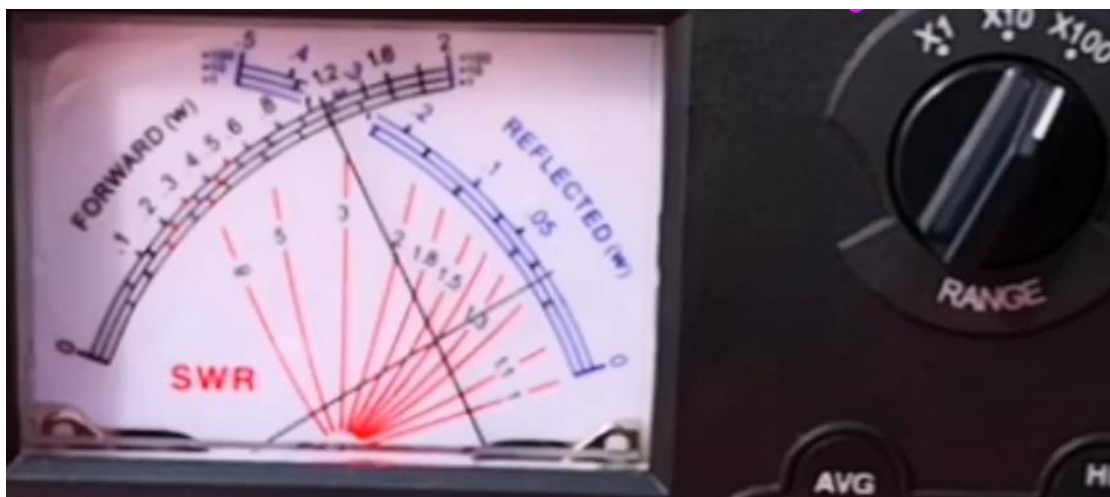
2. Connect the input & output feeder B. One for connecting G90 to the amplifier, the other for antenna and the amplifier (supply voltage: 15.8V, 2-10W signal input, 80-100W signal output).



3. Connect the PTT trigger cable C (When the G90 is transmitting, the amplifier will be triggered.)



Power test results:



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Signal Test:

UTC	Mode	Frequency	ID	TX signal	RX signal	Distance
7:11	SSB	14270	BDXXXXX	59+20	59+	1200KM
7:38	CW	14017	R5XXXXX	599	599	5800KM
7:50	CW	14010	UNXXXXX	599	599	3600KM
7:57	CW	14023	BGXXXXX	539	559	1550KM

**Specifications:**

Frequency Range: 3 MHz~30MHz

Supported Modes: A1A (CW), J3E (SSB), A3E (AM), F3E (FM), F7M (C4FM), F1B (FSK)

Power Supply Voltage: DC 12V ~ 18V

Power Supply Current: Standby 0.2A | Transmit 12A

Input SWR: <2.0: 1

Input / Output Impedance: 50 ohms ( $\pm 10\%$ )

Through Loss: less than 0.5dB

Power Gain: greater than 15dB ( $\pm 2$ dB)

Maximum Input Power: 10W

Maximum Output Power: Input 5W, frequency <21MHz, power supply 15V = 100W

Input 5W, frequency > 21MHz, power supply 15V = 70W

Low-pass Filter Frequency: 33MHz (-6dB)

Harmonic Output: greater than -50db (even order), greater than -30dB (odd order)

Spurious Output Suppression: greater than 40dB

Input / Output Connector: SMA-K

Working Temperature: 0-50 °C

Storage Temperature: -20-70 °C

Storage Humidity: less than 55%

PTT Trigger Level: + VCC-2V (low trigger), GND + 5V (high trigger)

PTT Trigger Current: 2Ma

**Warning:**

- 1. Output with an open circuit or short circuit is prohibited.**
- 2. Standing wave ratio > 2.5 is prohibited.**