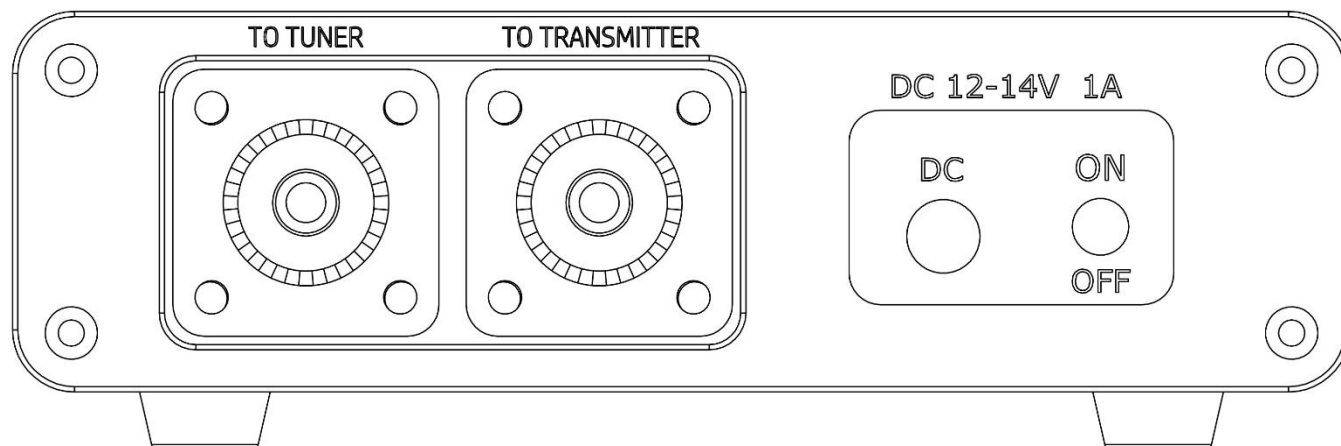


URT-1500 AUTOMATIC ANTENNA TUNER

Basic Operation

The URT-1500 is a high power remote automatic antenna tuner. Please use the stainless steel bracket and clamp in the tuner packaging box to fix the tuner to the mast.

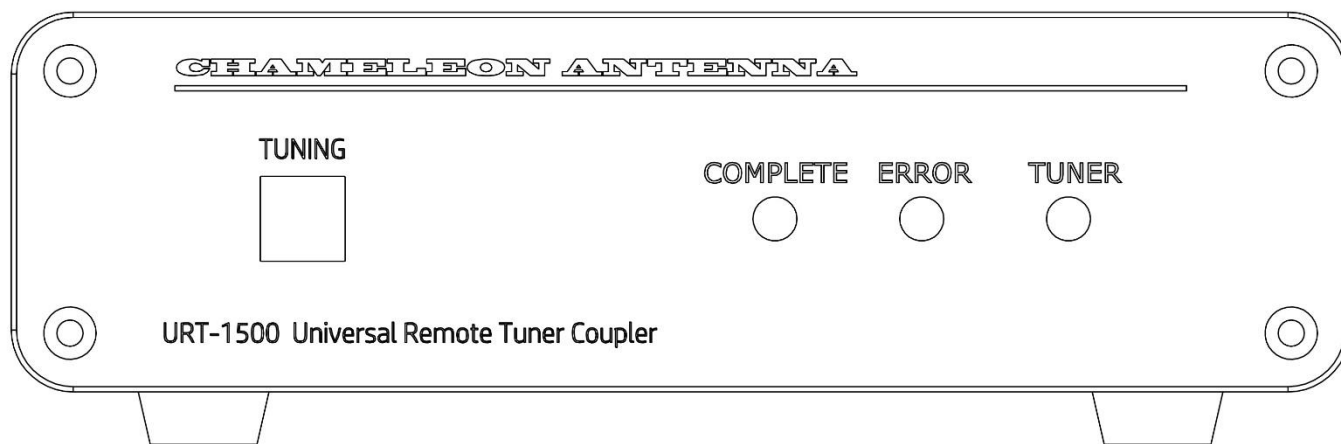
Rear panel of the coupler.



Notes when connecting the coupler:

1. Please make sure that the voltage of the power supply connected to the coupler is within the range of 12-14V and can provide a current of no less than 2A. Too low a voltage may cause the coupler to not work properly, and too high a voltage may damage the coupler and tuner.
2. Please use a simple coaxial cable to connect "TO TUNER" to the tuner. This cable also provides DC power to the tuner, so it is not allowed to be connected to any device, such as a balun, etc.

Front Panel of the coupler



Indicator Lights:

"TUNER" Power indicator for the tuner.

“ERROR” Fault indicator. When it is lit, it means that the RF output socket of the coupler is short-circuited by DC. Please turn off the power of the coupler immediately and restart it after troubleshooting. Please note that this warning indicator can only be reset by restarting the power. After you have eliminated the fault, you must restart the power to turn off this indicator.

“COMPLETE” Tuning indicator, there are two possible displays: flashing once and lighting for 1 second. When the [TUNING] button is pressed and held for more than 1 second and then released, the tuner starts tuning. Please wait for this indicator to light up. If it lights up for 1 second, it means that the tuner is tuned successfully. If it flashes quickly once, it means that the tuning failed.

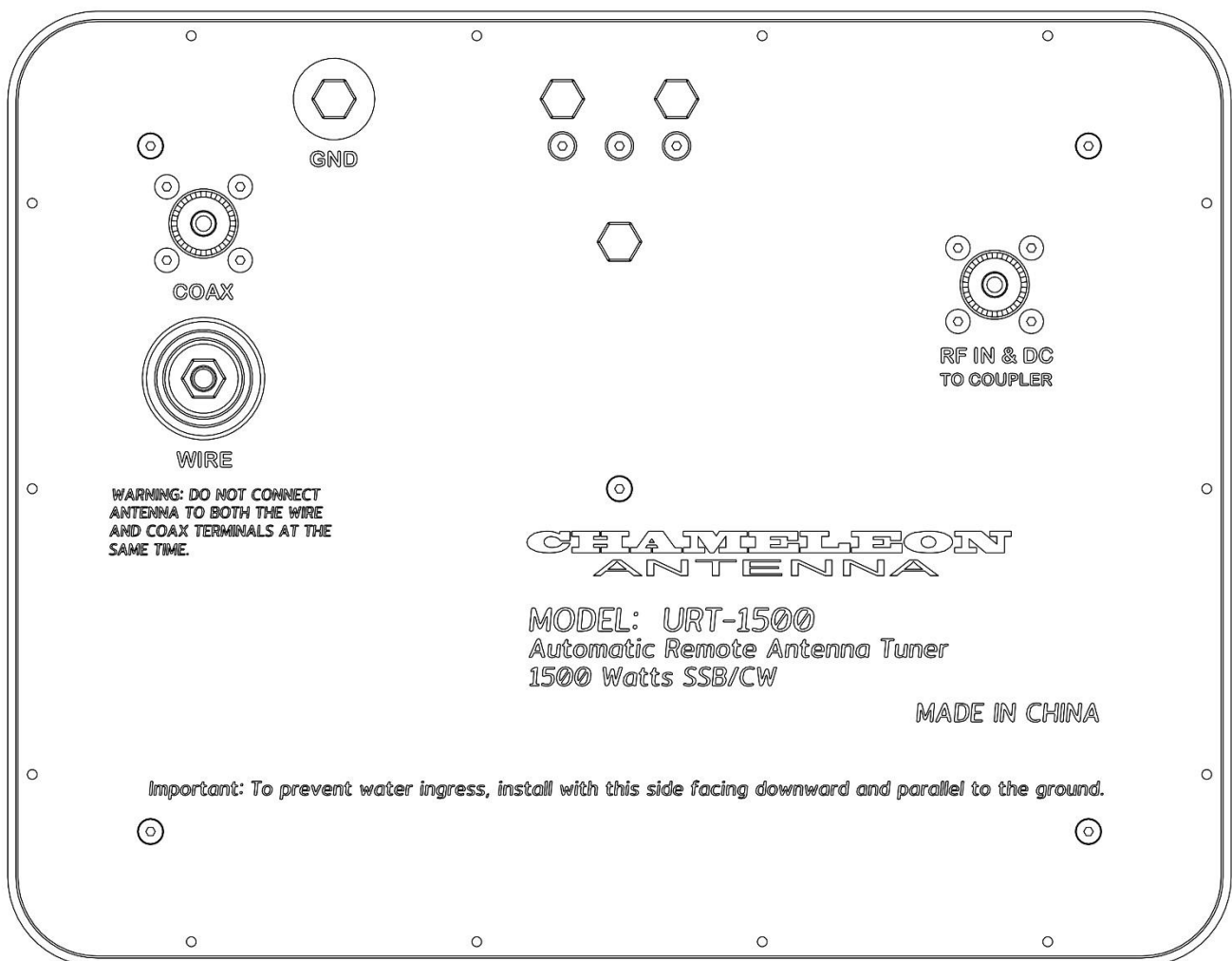
There are 2 reasons for tuning failure.

1. Within 5 seconds after the start of tuning, the tuner did not detect that the RF power was inputted at least 5W.
2. When tuning started, the tuner was inputted with RF power higher than 20W, and the tuner terminated the tuning cycle to avoid damage.

Button:

“TUNING” When a stable RF carrier of 5-15W is input to the coupler, press this button for more than 1 second and then release it to start the tuner's tuning cycle.

TUNER



To ensure that the tuner is not damaged by rain, the tuner must be installed with the base plate with the wiring terminals facing downward and parallel to the ground.

- Frequency Range: 1.8 ~ 30 MHz
- Input Power Capability: 1500W(SSB), 800W(DATA mode)
- Tuning Power: 5-15W
- Tuning time: ≤ 8 S(Programmed), 0.1S (From pre-saved frequencies in memory)
- Operating Temperature: $-10^{\circ}\text{C} \sim +60^{\circ}\text{C}$, $14^{\circ}\text{F} \sim 140^{\circ}\text{F}$
- Channel: 16000
- Power Requirements: DC 12-14V, 2.0A
- Dimensions (H x W x L): 300 x 234 x 93mm, Package dimensions: 360 x 294 x 210mm
- Gross weight: 3.7kg, Net weight 2.1 kg