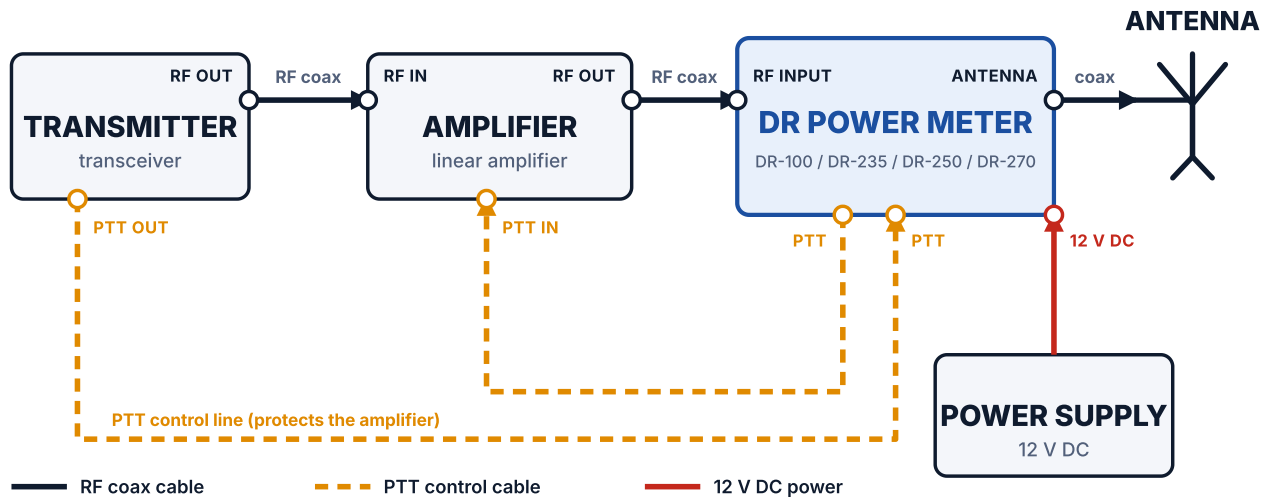
Station *connection diagrams*

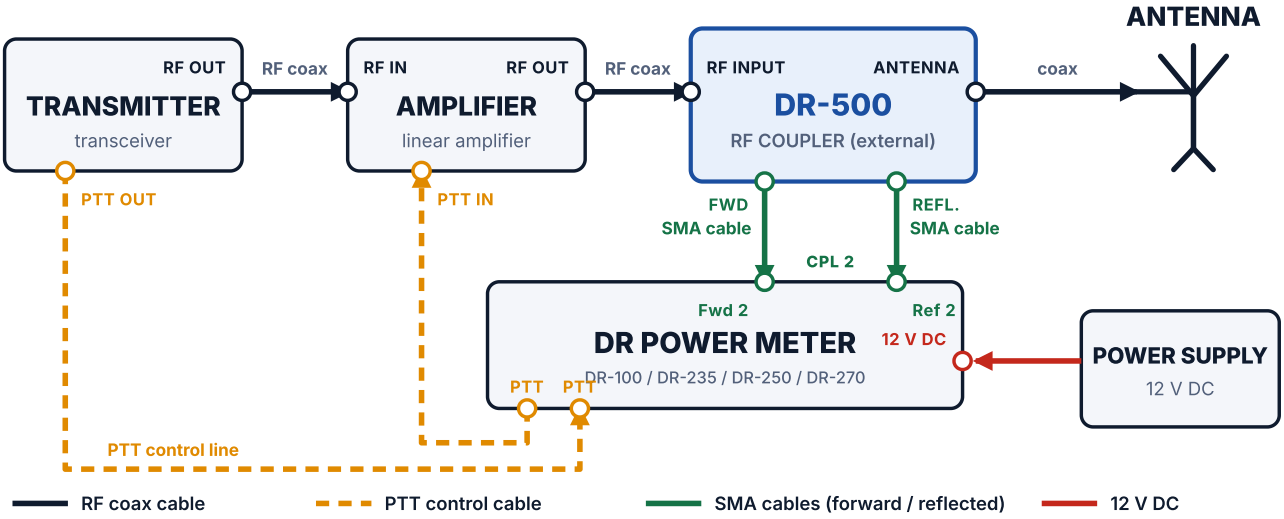
Without and with an external DR-500 coupler

A Power meter in the RF line internal coupler



1. **Transmitter to amplifier.** Transmitter RF OUT to amplifier RF IN.
2. **Amplifier to meter.** Amplifier RF OUT to the **RF INPUT** of the meter.
3. **Meter to antenna. ANTENNA** output of the meter to your antenna.
4. **PTT line.** Transmitter PTT output to one PTT jack of the meter, the other jack to the amplifier PTT input.
5. **Power.** 12 V DC power supply to the **12 V DC** socket of the meter, then switch on.

B With an external DR-500 coupler meter on CPL 2



1. **Transmitter to amplifier.** Transmitter RF OUT to amplifier RF IN.
2. **Amplifier to coupler.** Amplifier RF OUT to the **RF INPUT** of the DR-500.
3. **Coupler to antenna. ANTENNA** output of the DR-500 to your antenna.
4. **Coupler to meter. FWD** to **Fwd 2** and **REFL.** to **Ref 2** (CPL 2) with two SMA cables.
5. **PTT line.** Transmitter PTT output to one PTT jack of the meter, the other jack to the amplifier PTT input.
6. **Power and set-up.** 12 V DC to the meter, switch on, select **CPL2** and calibrate (see Calibration steps).

No amplifier? Leave out the amplifier connections (RF IN, RF OUT and PTT IN) and connect the transmitter **RF OUT** directly to the **RF INPUT** of the DR power meter (A) or of the external DR-500 coupler (B).

Important: respect the power rating of the coupler and of the antenna and load (DR-500: 2.5 kW, 5 kW PEP). Keep the RF power low while you check the installation and the calibration.