Amplifier
Antenna

12 V
24 V
DC/DC: reduce the 24 V to the Value (power supply for mC)

Remote: to switch between receive and transmit mode

Divider: reduce the 12 V to a measurable voltage for The mC, if the battery charge is low the mC will turn Off the system till the battery is charged.

DC/DC: reduce the 24 V to 12 V (charge up the battery)

Switch: to disconnect 24v battery from DC/DC till it charges up, if needed. Disconnection is through the relay board.

PTT
Push-to-talk Switch: To switch between receive and transmit mode

Key Switch

MC

Relay Board

Switch

Switch

12 V

24 V

Remote: to switch between receive and transmit mode

Switch: to disconnect 24v battery from DC/DC till it charges up, if needed. Disconnection is through the relay board.