

## Operation description

### 1. Audio section.

Audio from JK1 is fed directly to U1 (BA3308) . Audio from JK2 is fed directly to U2 (BA3308) . U1 and U2 are dual preamplifier ICs with built-in ALC circuits. The gain is high to 80dB. The signal send to the second amplifier U4 (LM1458).

### 2. Transmit

The signal send to X1, to selected the transmit frequency.

721=12.0167MHZ

725=12.0833MHZ

729=12.15MHZ

747=12.45MHZ

Q3 and associated components form a voltage controlled oscillator operating between 72.1MHz and 74.9MHz. The output of signal send to Q4 and Q5. Q46 is an amplifier stage and Q5 is the power output stage.