

**MASCOT**

MICROPHONE SYSTEM

MANUFACTURER  
& EXPORTER

**華格工業股份有限公司**

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## IEM-168 PROCEDURE

1. Stereo signal (1v) is input from RCA-JACK, then through NJM4580M (U1) for decline 10 times. Output with the amplitude control of Line volume.
2. The signal of MIC /LINE is received from XLR-JACK, then through NJM4580M (U11) for 10dB amplify. Output with the amplitude control of Line volume.
3. Mix with 2 signals together by NJM4580M (U11), and go through SA575(U5) / NJM4580M(U9) for audio-compress procedure. Output the signal with MPX procedure by NJM2035M (U12) pin8 and pin14.
4. Input the signal from NJM2035M (U12) pin9 to VCO for modulation and signaling, and go through MB15E03SL (U4) for a PLL Frequency Synthesizer. VCO signal inputs from pin 8 and control the VCO frequency by pin 5.
5. Output VCO signal through BFG520/XR (Q2) will be amplify to +8dBm, then through BFQ540 (Q1) will be amplify to +16dBm, and output from antenna.

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