

# The Collins KWM-380

With the Collins KWM-380, you get a truly professional and complete amateur station in one attractive unit — a separate VFO, power supply and speaker aren't required and it's all-solid-state. The KWM-380 provides full frequency coverage in receive between the frequencies of 1.8 to 30 MHz. Transmit power is 100 watts in upper sideband (USB), lower sideband (LSB), and continuous wave (CW) modes within the 160 to 10-meter amateur bands.

All solid-state with high resolution synthesizer, the KWM-380 provides computer controlled 4-speed tuning down to 10 Hz. The microprocessor also controls the LED frequency display, band selection and 2 register memory for split-frequency operation without the need for an external VFO unit or separate receiver. The frequency display always shows the exact carrier frequency.

And the KWM-380 has superior strong signal handling performance. The 1/2 microvolt sensitivity coupled with a very high third order intercept yields a high dynamic range. This insures that weak signals won't be masked by strong off-frequency signals.

In CW mode the receiver gain is increased to lower the AGC threshold and maintain a constant audio output level. Optional 8 pole filters and careful attention to signal leakage around these filters provide excellent selectivity and adjacent signal rejection.

There are no bandswitch or tuning controls, so an operator can transmit immediately upon dialing in a frequency. Even the transmit low pass filters are selected by relays. This feature allows split frequency operation (half-duplex) on *any* 2 frequencies within the amateur bands.

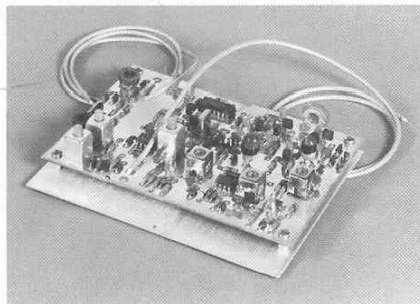
After you have finished operating on split frequencies, push the sync button

on the front panel and both channels are immediately tuned to the displayed frequency. Pushing the lock button prevents further frequency changes.

The meter in the KWM-380 measures signal strength in receive. In transmit, it measures automatic level control (ALC), supply voltage (VC), forward power (PF) and reflected power (PR).

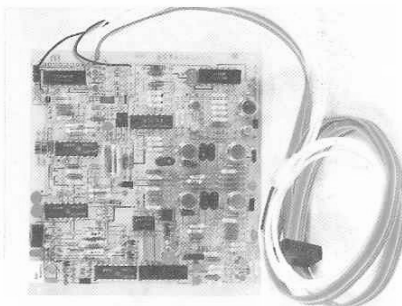
The KWM-380 is easily maintainable, with card cage construction interconnected with ribbon cables to allow the cards to be removed for servicing while the radio is still operational. No extender cards are needed.

## OPTIONS



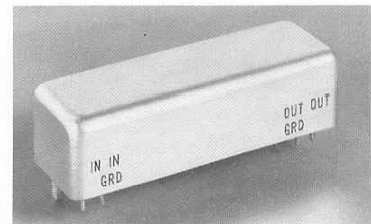
### Noise Blanker

The noise blanker option is designed for use in transceivers located in high impulse RF noise environments.



### Speech Processor

The speech processor is a new circuit (patent applied for) that increases the effective "talk power" in SSB transmissions without using limiting or clipping.



### IF filters

A choice of IF filters are available including: a 360 Hz CW filter, a 140 Hz CW filter, a 1.7 kHz RTTY/SSB filter, and a 6.0 kHz AM filter.

## ACCESSORIES

