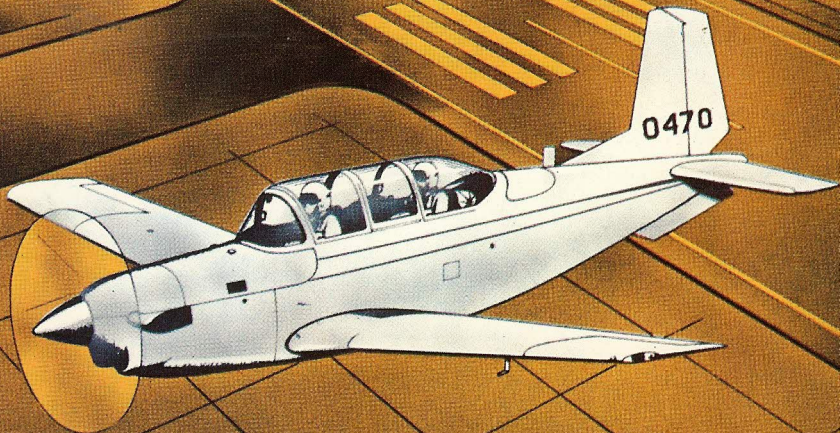


COMMUNICATIONS WITH EASE DAVTRON MODEL 202 INTERCOM



FEATURES

- Two way permanent installation: Intercom M-202
- Two way portable installation: Intercom MP-202
- Balance control permits precise volume difference between pilot and copilot on intercom and communications
- Provides priority transmit
- Double squelched mikes for minimum noise
- Headphone outputs are impedance-matched for maximum undistorted output
- Size permits radio rack mounting
- Intercom is front panel removable

 **DAVTRON** INC.

GENERAL DESCRIPTION

The Davtron Model 202 Intercom provides the ultimate in noise-free, hands-off communications. Both pilot and copilot headsets are completely quiet until the microphone is spoken into. Each microphone is on only during the time it is spoken into. The Davtron Model 202 reduces the noise to **one-half** that of other intercoms by allowing each microphone to come on separately.

The pilot and copilot have a "push to transmit" switch with priority transmit. The first switch activated has transmit capabilities. The one transmitting loses intercom side-tone, but now receives side-tone from the radio transmitter verifying transmission. (The second switch is completely disabled during the transmission.) The one that is not transmitting hears the one transmitting at normal intercom volume. **At no time is any part of the conversation lost.** For instructor/student operations, a component may be removed which enables the instructor to override the student at any time.

The Model 202 has a balance control which allows differences in volume between the pilot and copilot. This balance control changes the volume of the communications and the intercom precisely in the same proportion. A pilot and copilot with a large difference in hearing ability can now balance out communications and intercom volume for comfortable listening with just one control.

Model 202 also has a custom-designed squelch circuit and audio switching circuit which eliminate transient noises normally associated with this type of system.

Since the 202 Intercom is of high quality, it must be used with headsets of good quality for best performance. Two headsets commonly used with the 202 are the David Clark headset with amplified dynamic microphone and the Telex with amplified dynamic microphone. Most carbon microphones have **not** demonstrated good performance. The quality of headsets can quite easily be demonstrated by using the 202 Intercom.

OPERATION

1. Turn the squelch control full clockwise.
2. Center the balance control.
3. Turn the volume control to desired talk level.
4. Slowly move the squelch control counter clockwise until all background noise stops.

(NOTE: Significant changes in aircraft power setting may require a change in squelch adjustment. Proper operation of the squelch is very important. Do not use more squelch than required to stop background noise.)

5. The balance control will compensate for a difference in the hearing of the pilot and copilot. Turn in the direction of the desired increase in volume. Pilot's volume increases counter clockwise and copilot's volume increases clockwise.
6. The pilot should take particular care when flying alone and the copilot's headset and microphone are still plugged in. Turn intercom volume completely down or remove copilot's headset.

(NOTE: In an installation in which the audio switching panel is not used, the Model 202 may be used as an isolation amplifier. Connect as many phone inputs as required through a 1K resistor to Pin 6. Use one resistor for each input.)

ELECTRICAL

The MP-202 is a **portable** intercom that plugs directly into the microphone and headphone jacks in an aircraft. A power receptacle plugs into the cigarette lighter. The intercom is pre-wired and ready for use. The MP-202 is identical to the standard non-portable M-202 in operation. The portable model provides pilot and copilot microphone and headphone jacks on the front panel. The connector of the portable model is wired with a phone input cable, microphone cable and power lead that will plug directly into most aircraft.

SPECIFICATIONS

- Input voltage: 14 or 28 volts
- Input current: 60 M A typical
120 M A maximum
- Outputs: 150 M W into 500 ohm
- Size: 6.312 inches wide,
1.25 inches high,
4.2 inches deep
- Weight: M-202 = 15 ounces
MP-202 = 21 ounces
- Warranty: One year

Price:

M-202 \$347.00 MP-202 \$399.00

(MP-202 with two push-to-talk switches \$445.00)

