

# Pipo® Communications

Emphasis is on Quality and Reliability

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PK-7VK 12 KEY v6.5

PK-7HK 12 KEY v6.5

PK-8VK 16 KEY v6.5

## DTMF ENCODER BASIC INFO

### CONNECTIONS

#### J1

RED ..... (P1) ..... (+) 6-26 VDC  
GREEN ..... (P2) ..... (-) GROUND  
BLACK ..... (P3) ..... AUDIO OUT  
BROWN ..... (P4) ..... RELAY CONTACT\*  
BRN/WHT ..... (P5) ..... RELAY CONTACT\*  
\*SPST 26 WATTS 1A @ 26 VDC, RESISTIVE LOAD

### JUMPERS & ADJUSTMENTS

JP1 ..... MEMORY DISABLE ..... (CLOSE)  
JP2 ..... STORE & SEND ..... (CLOSE)  
JP3 ..... HIGH IMPEDANCE ..... (OPEN)  
JP3 ..... LOW IMPEDANCE ..... (CLOSE)  
JP4 ..... RELAY NC ..... (CLOSE)\*  
\*INSTALLED

#### PCB EYELET

(G) ..... GROUND  
(M) ..... MIC MUTE RELAY\*  
(PTT) ..... PTT XMTR\*  
\*TRANSISTOR OUTPUT 200 MA MAX @ 20 VDC

P1 ..... AUDIO ADJ. POT  
P1A ..... PTT HOLD ADJ. POT

### DTMF BASIC OPERATION

#### DTMF LAST NUMBER REDIAL (LNR)\*

PRESS \* + # (TOGETHER) THEN RELEASE TO SEND.  
\*VOLATILE MEMORY, CLEARS WITH POWER OFF

#### DTMF STORE AND SEND\*

**TO STORE:** PRESS \* + 0 (TOGETHER, TWICE), FOLLOWED BY NUMBERS TO STORE.  
**TO SEND:** PRESS 0 + # (TOGETHER), TWICE.

#### DTMF MEMORY DIALING (1 TO 9 LOCATIONS, 30 DIGITS EACH)

**TO STORE:** PRESS \* + 0 (TOGETHER), THEN 1 (FOR MEMORY 1 LOCATION) FOLLOWED BY THE NUMBERS TO STORE.  
**TO STORE:** PRESS \* + 0 (TOGETHER), THEN 2 (FOR MEMORY 2 LOCATION) FOLLOWED BY THE NUMBERS TO STORE.  
**TO SEND:** MEMORY 1 LOCATION, PRESS 0 + # (TOGETHER) THEN 1.  
**TO SEND:** MEMORY 2 LOCATION, PRESS 0 + # (TOGETHER) THEN 2.

### DTMF SPECIAL FEATURES

#### DTMF SINGLE TONE GENERATOR

(PRESS 0 + 1 (TOGETHER)) = 697Hz  
(PRESS 0 + 2 (TOGETHER)) = 770Hz  
(PRESS 0 + 3 (TOGETHER)) = 852Hz  
(PRESS 0 + 4 (TOGETHER)) = 941Hz  
(PRESS 0 + 5 (TOGETHER)) = 1209Hz  
(PRESS 0 + 6 (TOGETHER)) = 1336Hz  
(PRESS 0 + 7 (TOGETHER)) = 1477Hz  
(PRESS 0 + 8 (TOGETHER)) = 1633Hz  
(PRESS 0 + 9 (TOGETHER)) = 1000Hz

#### VARIABLE TONE GENERATOR (50Hz to 5kHz)

PRESS \* + 0 + # (TOGETHER) FOR 3 SECONDS, THEN RELEASE. (STARTS AT 1kHz)  
PRESS \* TO DECREASE FREQ., PRESS # TO INCREASE FREQ. (50Hz INCREMENTS)  
PRESS 0 TO RETURN TO 1kHz TONE. PRESS ANY KEY TO EXIT FEATURE.

#### VERISON ID

PRESS \* + 1 (TOGETHER) FOR VERSION ID

#### ONE TOUCH SEND (OTS) ACTIVATION

TO ENABLE PRESS \* + # (TOGETHER) FOR 10 SECONDS, RELEASE AFTER DUAL-BEEP. ENTER 55 DUAL-BEEP THEN #.  
TO DISABLE PRESS \* + # (TOGETHER) FOR 10 SECONDS, RELEASE AFTER DUAL-BEEP. ENTER 54 DUAL-BEEP THEN #.

#### OTS (1 TO 9 LOCATIONS, 30 DIGITS EACH)

**TO STORE:** PRESS \* + 0 (TOGETHER), THEN 1 (FOR MEMORY 1 LOCATION) FOLLOWED BY THE NUMBERS TO STORE.  
**TO STORE:** PRESS \* + 0 (TOGETHER), THEN 2 (FOR MEMORY 2 LOCATION) FOLLOWED BY THE NUMBERS TO STORE.  
**TO SEND:** MEMORY 1 LOCATION, PRESS 1.  
**TO SEND:** MEMORY 2 LOCATION, PRESS 2.