

TJ-3100V 2W VHF (140-174 MHz)

TJ-3400U 2W UHF (440-470 MHz)

The **TJ-3000 Series** are durable, lightweight, and easy to use. These versatile radios are pre-programmed to the most common commercial frequencies to provide efficient operation for uses in Construction, Education, Manufacturing, Hospitality, Property Management, and many other applications.



Compatible with other Job Site Radios.

TJ-3100V Offers 27 Selectable VHF Frequencies.

TJ-3400U Offers 89 Selectable UHF Frequencies.

#### Power Output

Set to 2 Watt output, the max power allowed for many job site radio frequencies.

#### User Control and Clear Display

LCD backlit display makes for easier viewing.

#### Channels & Privacy Codes

89 Selectable UHF Frequencies -  
157 User selectable tone codes  
(53 CTCSS & 104 DCS.)

#### Robust Audio

1 Watt speaker output.

#### Rechargeable Li-Ion Battery

Equipped with long life 1800 mAh battery and Rapid Rate Smart Charger.

#### Programmable

Fully programmable to existing simplex channels, repeater systems, or independent FCC license frequencies.

#### Durable Construction

Manufactured with tough polycarbonate cabinet. Meets MIL-STD-810F & IP-54.

#### Weather Channels

Includes the NOAA Weather Channels for instant weather monitoring.

#### Weather Channels

1	162.550
2	162.400
3	162.475
4	162.425
5	162.450
6	162.500
7	162.525

#### 6 Unit Charger

Single Slot Molded Style



## SPECIFICATIONS

### GENERAL

TJ-3100V	140-174 MHz
TJ-3400U	440-470 MHz
Operating Voltage	3.7 V DC
Operating Temperature	-22° to 140° F (-30° to 60° C)
Frequency Stability	± 2.5 PPM
Dimensions (H/W/D)	3.9 x 2 x 1" (99x51x25 mm)
Channel Spacing	12.5 kHz per channel
PLL Stepping	2.5/6.25 kHz
Weight (W/ Battery)	5.3 oz. (151 g.)
Battery Life (Hours)	14 hr*
Battery Drain mAh	Tx 1200, Rx 300, Stby 60
Battery Capacity	1800 mAh Li-Ion
Charge Time Estimate	2-3 Hours
	*90/5/5 duty cycle with battery save

### TRANSMITTER

Output Power	2 Watt UHF/VHF
Spurious and Harmonic	60dB
FM Hum and Noise	40dB (12.5 kHz), 45dB (25 kHz)
Audio Distortion	5% max w/ 1kHz Modulation
Audio Response	+1 -3dB from 6dB per octave pre-emphasis and characteristic 300 - 3000 Hz
Output Impedance	50 ohms

### RECEIVER

Sensitivity	.28uV 12dB SINAD
Squelch Sensitivity	.25uV 12dB SINAD
Selectivity	60dB
FM Hum and Noise	40dB
Audio Output Power	1 Watt across 8-ohm load
Input Impedance	50 Ohms
Audio Distortion	< 5% at rated output
Audio Response	+1 -3dB from 6dB per octave pre-emphasis and characteristic 300 - 3000 Hz

NOTE: Some features indicated by specifications listed are prohibited by FCC rule and are not available on models sold in the U.S. or its territories.

Specifications are subject to change without notice.

## ACCESSORIES



### Charger Options

Single Slot Rapid Rate Desktop Charger  
Six Unit Multi Charger  
Single Slot Vehicular Charger  
1800 mAh Li-Ion Batteries



### Speaker Mic Options

Standard Speaker Microphone  
Heavy Duty Speaker Microphone  
Heavy Duty Speaker Microphone w/Vol Control



### Ear Piece Options

"D" Style Earhook Speaker w/Lapel Mic/PTT  
"C" Style Earhook Speaker w/Lapel Mic/PTT  
Clear Earbud Speaker w/Lapel Mic/PTT



### Other Options

Nylon Carrying Case  
Programming Software and Cable (USB)  
UHF "Stubby" Antenna

### PACKAGE INCLUDES:

Radio, 1800 mAh Li-Ion battery, rapid rate desktop charger, antenna, belt clip and user manual.

Approvals	FCC	Industry Canada
TJ-3100V	099TJ-3100	9680A-TJ3100V
TJ-3400U	099TJ-3400	9680A-TJ3400U



Manufactured to ISO-9002:2000 quality standard.

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