



# DIGI TALKY

## Professional Digital Transceiver

India's first Digital / Analog Transceiver in the Easy Licensed Frequency band (350 Mhz), approved by WPC. Digi Talky is an affordable, high quality and high performance radio that offers abundant features to meet your daily communication needs.

Digi Talky offers distinct advantages over the Analog Radios.

- Operates in Digital and Analog mode
- Clear & Crisp Voice Quality
- Increased Coverage even in fringe areas
- Interoperable with Analog Radios
- Large true colour Display
- Short Messaging Service (SMS)
- Secure Communication (Encryption built in)
- IP Connectivity
- Digital & Analog mode Scanning
- VOX for Hands free Operation
- Network Access Code for Secure Operation
- Sel Call, Group Call, All Call, Emergency Call, Call Log, Contact List and PTT ID
- Radio Kill and Revive Function
- Long Lasting Battery capacity
- In built Clock, Alarm, Calendar & Calculator

IP 54



IDEAL FOR : HOTELS, FACTORIES, MALLS, SECURITY AGENCIES, CONSTRUCTION, TRANSPORTATION, ESTATE MANAGEMENT, RAILWAYS, PUBLIC SAFETY



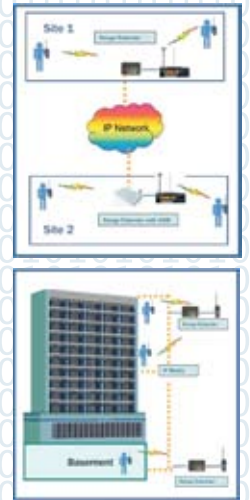




## APPLICATIONS:

### 1. Remote Site Connectivity

DigiTalky when integrated with VerTel's Range Extender unit can extend your communication coverage over IP. It lets you connect dispersed sites and allows you to communicate like a single site.



### 2. Intra building Coverage

Using DigiTalky with VerTel's range Extender it is possible to have radio communications all the way from the multi level basement to the top floor of the building, mall or hotel, all in stable digital audio. Already deployed LAN cables can be used in an in building solution.

Optionally, the range extender can also allow to and fro routing of GSM phone calls to DigiTalky in both of the above applications.

## SPECIFICATIONS

### General

Frequency	350-370MHz, 136-174MHz, 400-470MHz
Channel Capacity	256
Channel Spacing	12.5KHz
Operating Temperature	-30°C ~ +60°C
Operating Voltage	7.5V DC $\pm 20\%$
Battery	1600mAh, 7.4VDC Li-ion
Frequency Stability	$\pm 2.5$ ppm
Dimension(with battery and antenna)	220 mm x 54 mm x 51 mm
Weight(with battery and antenna)	265g

### Transmitter

RF Power Output	5W/4W/ 1W
Frequency modulation	11KOF3E(Analog) / 4FSK(Digital)
Antenna Impedance	50 $\Omega$
Modulation Limiting	$\pm 2.5$ KHz
Radiated Spurious Emission	-36dBm < 1GHz, -30dBm > 1GHz
FM Noise	45dB @ 25KHz, 40dB @ 12.5KHz
Modulation Distortion	< 3%

### Receiver

Reference Sensitivity	0.20uV@12db Sinad & 0.20uV@5%BER
Adjacent channel Selectivity	60dB @ 12.5KHz
Intermodulation	60 dB
Spurious Response Rejection	60 dB
Rated Audio Output	1W
S/ N	45/40
Rated Audio Distortion	$\leq 3\%$

### Applicable US MIL-STD 810F Specification & IP Rating in brief

MIL Standard	Method	Procedure
Low Pressure	500.4	I, II
High Temperature	501.4	I, II
Low Temperature	502.4	I, II
Temperature Shock	503.4	I, II
Rain (Blowing Rain)	506.4	I
Humidity	507.4	I
Vibration	514.5	I, II
Shock	516.5	I, IV

Also meets equivalent MIL-STD-810-C, -D and -E.

### Ingress Protection Standard

Meets IP54(Dust Protection & Water Resistant)

## ACCESSORIES



VRE-3G  
Range Extender



VRE-1  
Range Extender



VBC-DT  
Rapid Charger



VB-DT  
1600mAh Li-ion

For more information , please contact:

\*Audio Accessories also available for DigiTalky

FC CE ①  
ISO9001 Company



**VERTEL INFOTEL PVT.LTD**

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