



***SmarTrunk
Systems, Inc.***

Compact Digital Radio

ST-1000



- **Clear Digital Voice**
Our exclusive high-rate vocoder minimizes the compression effects by high-grade polynomial integration, which offers a clear voice.
- **Analog and Digital**
With the exclusive SmartHybrid mode, the radio interoperates with analog or digital at the same time automatically.
- **Smart VOX**
Comfortable VOX mode with built-in noise filtering and no-worlrd-loss feature to support hands free operation.
- **Digital Layered Communications**
Digital Ids and flexible programming improves a very robust signaling to create private, groups and all-call communications.
- **16 memory channels**
Easy to select with a clear channel control knob control.
- **2W RF Power**
Radio power can be adjusted as per application convenience up to 2 Watts, which makes it applicable for unlicensed bands.
- **High Power clear audio**
1 Watt of clear sound helps to operate the radio in noisy environments.
- **Voice Annunciation**
Multi-language support, high voice quality annunciations helps to operate the non-display radio.
- **Native analog signaling embedded**
For full interoperability, most common analog signaling are built-in: CTCSS, DCS
- **Two level Power Save**
Normal mode and Super-eco mode supported to extend battery life.
- **Compact lightweight body**
Modern Design fits comfortable in your palm and is lightweight for carrying all day.
- **Programmable side buttons**
Two side buttons can be easily programmed to assign the most ususal functions required by users.



ST-1000

Compact Digital Radio

Digital VHF and UHF Transceivers

ST-1000 SPECIFICATION

GENERAL	
Frequency Range	
ST-1000V	136Mhz - 174Mhz
ST-1000C	400Mhz - 470Mhz
ST-1000D	450Mhz - 520Mhz
ST-1000C1	400Mhz - 420Mhz
Number of Channels	16
Channel spacing	12.5Khz/25Khz
PLL Channel Step	10hz
Stability	1ppm
Antenna Impedance	500hms
Temperature Range	-30°C ~ 70°C (-22°F ~ 158°F)
Power Supply	7.2Vdc
Current Drain	1A TX
	200 mA RX @60% volume
	52 mA eco-mode
Dimensions	120(H)x57(W)x33(D) [mm]
Weight	190Gr with battery
TRANSMITTER	
Output Power	2W
Max frequency deviation	2.5Khz/5Khz
Spurious emissions	65dB (Typ)
Conducted/Radiated emission	-36dBm<1GHz /-30 dBm>1GHz
Adjacent Channel Power	62dB (Typ)
FM HUM and Noise	45dB (Typ)
Audio harmonic distortion	<5%
External Microphone connector	3 conductor 3.5mm
RECEIVER	
Receiver architecture	Single conversion DSP
Analog Sensibility	.25uV (12dB Sinad)
Digital Sensibility	.3uV (5% BER)
Adjacent channel selectivity	60dB (Tpy)
Spurious response	60dB (Tpy)
Hum and Noise ratio	45dB
Audio Power	1W
External speaker connector	2.5mm 3 conductor
External speaker impedance	4 to 16 Ohms
Audio distortion	<5%

ACCESSORIES



ST-1201
EARPHONE MICROPHONE



ST-1203
EARHOOK WITH MICROPHONE



ST-1407
MICROPHONE-EARPHONE
WITH REVOLVING CLIP



ST-1407
D-LOOP EARPHONE
WITH LAPEL MICROPHONE



ST-B16
LI-ION 1650 mA - DC 7.4V



ST-105
RADIO STRAP



ST-AC02
AC ADAPTOR 100/240Vac
12vdc 800mA



ST-FAC02
UHF 400 - 470Mhz FLEX ANTENNA



ST-BC-02
DESKTOP CHARGER



ST-BH02
BELT CLIP

Local Distributor

**Contact
us**

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