

GENERAL DESCRIPTION

900MHz SPREAD SPECTRUM T/R

MODEL : ID-900TR

- ✍ 20 CHANNEL POSSIBLE IN THE 902~928 MHz BANDWIDTH.
- ✍ TRANSMISSION RANGE UP TO 450 METERS IN FREE AREA .

FEATURE

- ◆ LONGER RANGE
- ◆ BETTER VOICE QUALITY
- ◆ 20 CHANNELS OPERATION
- ◆ AUTO TALK (When 5Volt incoming to docking station)
- ◆ AUTO STAND-BY
- ◆ 3 STAGE OUTPUT POWER SELECTABLE
- ◆ 16 MILLION AUTO-SECURITY CODE COMBINATION
- ◆ LCD INDICATOR FOR OUT OF RANGE WARNING
- ◆ HIGH PERFORMANCE CONEXANT CHIPSET
- ◆ LOW BATTERY LCD INDICATOR
- ◆ LI - ION BATTERY(3.6VDC,1200mAh)
- ◆ VCR ON-WORK DISPLAY
- ◆ INTERNAL & EXTERNAL MIC

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SPECIFICATION □ □ □ □ □

1. REFERENCE SPECIFICATION

- ◆ RF regulations FCC PART 15
- ◆ POWER : 12V DC 500mA Class 2 Transformer Wall adaptor provided
- ◆ INTERCONNECTION : RJ Jack & Cord Provided
- ◆ DIMENSION
 - HAND SET 87 mm L × 60 mm W × 23 mm H
 - DOCKING STATION 62 mm L × 99 mm W × 77 mm H
- ◆ COLOR : BLACK & BLACK

2. GENERAL SPECIFICATION

- ◆ FREQUENCY : 902 ~ 928MHz BAND
- ◆ NUMBER OF CHANNEL : 20 CHANNELS
- ◆ CHANNEL SPACE : 0.6 / 1.2 MHz
- ◆ SPEECH CODER : 32/40KBps ADPCM
- ◆ TYPE OF MODULATION : DBPSK SS MODULATION / DEMODULATION
- ◆ PROCESSING GAIN : 11dB
- ◆ DATA RATE : 80KBps Time Division Duplex
- ◆ FRAME TIME : 1ms Transmit / 1ms Receive
- ◆ SAMPLE RATE : 1.92M SAMPLES/sec (2 SAMPLES / CHIP)
- ◆ TX POWER LEVELS : 100mW, 10mW, 1mW
- ◆ RECEIVER SENSITIVITY : -104dBm, -84dBm
 - ◆ ADDTIONAL SECURITY : > 16 MILLION SECURITY CODES
- ◆ STANBY TIME : 20 days
- ◆ TALK TIME : 4.5 Hours
 - ◆ BATTERY CAPACITY : LI-ION 3.6 V DC/1200mAH (3.6V x 1)

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3. RADIO FREQ. SPECIFICATION

Item	Conditions	Unit	Spec.
◆ VCO Voltage	LOW Channel	Volt	< 2.3
	HIGH Channel	Volt	> 0.5
◆ TX Power	HIGH Power	LOW Channel	
		MID. Channel	dBm > 13
		HIGH Channel	
	MID. Power	MID. Channel	dBm > 5
	LOW Power	MID. Channel	dBm > -5
◆ REF. Frequency	9.6 MHz / Tset Point	Hz	± 10
◆ TX Frequency	MID. Channel	KHz	± 2.5
◆ Receiver Output Level	High Gain -70dBm Input I	mV	250 ± 20
		Q	mV 250 ± 20
	Low Gain -50dBm Input I	mV	250 ± 20
		Q	mV 250 ± 20
◆ Receiver Sensitivity	-3dB Point High Gain	dBm	< - 80
	Low Gain	dBm	< - 60
◆ I/Q Amplitude Imbalance		mv	± 20
◆ I/Q Phase Imbalance		Deg.	± 5
◆ AGC Voltage	High Gain	- 95 dBm	Volt > 1.4
		- 50 dBm	Volt 1.7 ± 0.1
		- 25 dBm	Volt < 2.0
◆ DOCKING STATION	Current Stand-By	mA	≤ 200
	Talk / Max.	mA	≤ 250
◆ HAND Consumption Current	Stand-By	mA	≤ 10
	Talk / Max.	mA	≤ 150

5. ACCESSORIES

- ◆ 120V / 60Hz DC 12V 500mA ADAPTOR
- ◆ MICROPHONE
- ◆ 6 LINE CORD
- ◆ BELT CLIP
- ◆ USER'S MANUAL

FREQUENCY TABLE

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FREQUENCY TABLE ◻ ◻ ◻ ◻ ◻ ◻

◻ Table 1. Channel Number and Frequency for 0.6 or 1.2MHz Channel Spacing.

Channel Number	Channel Center Frequency(MHz)
1	904.2
2	904.8
3	906.0
4	907.2
5	908.4
6	909.6
7	910.8
8	912.0
9	913.2
10	914.4
11	915.6
12	916.8
13	918.0
14	919.2
15	920.4
16	921.6
17	922.8
18	924.0
19	925.2
20	925.8

OPERATIONAL DESCRIPTION
ID FONE CO., LTD.

FCC ID : PJ4ID-900TR

WHAT IS THIS DEVICE ?

WHEN THE POLICEMEN ARREST A CRIMINAL, THEY MUST READ MIRANDA CARD IN FRONT OF HIM. THE VERY SCENE OF DOING THIS IS RECORDED BY A CAMCORDER IN THE PATROL CAR. THE AUDIO SIGNAL IS TRANSMITTED BY TX (PORTABLE) OF THIS DEVICE TO RX (DOCKING STATION) INSTALLED IN THE CAR, WHICH IS CONNECTED TO THE CAMCORDER.

THEREFORE, BOTH OF THE SCENE AND SOUND CAN BE RECORDED IN THE CAMCORDER.

ID FONE CO., LTD. FCC ID : PJ4ID-900TR JOB # : 284YK EXHIBIT # : 8
