

Simultalk
24G



E A R T E C

Full Duplex Wireless

SLT2400 User's Manual

Features

- Hands-Free Full Duplex 2-Way Radio
- State-of-the-Art 2.4GHz Technology
- No License needed and Maintenance Free
- Crystal Clarity, up to Half Mile Away
- Easy to Operate, User Friendly Personal Communicator

Operation

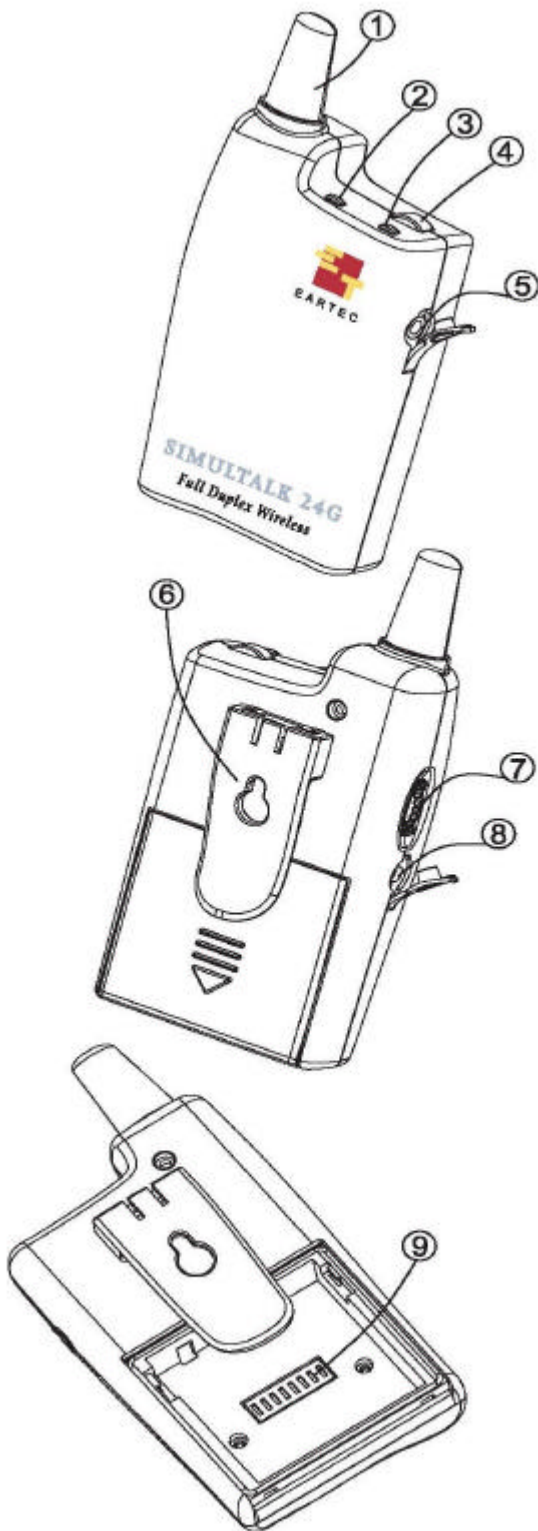
1. Antenna
2. Battery Low / Charge Indicator
3. Channel and Status Indicator
Standby Mode = Red
Talk Mode = Green
Communication Mode = Amber
4. Talk Button
5. Headset Socket
6. Belt Clip
7. ON/OFF – Volume Control Knob
8. Charger Socket
9. Channel Dip Switch (Inside Battery Compartment)

How to Operate

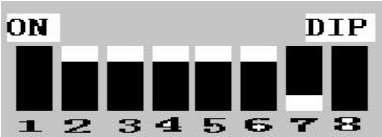




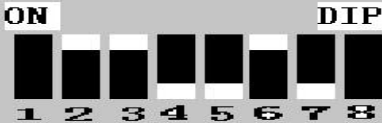

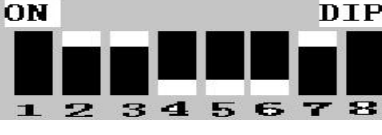






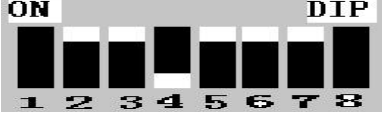

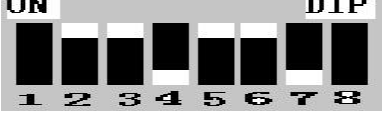



- a) Plug Headset Jack into “Headset socket”
- b) Turn the Volume “ON”
- c) Set both units on the same channel
- d) Press Talk button to communicate
- e) The microphone built-in Headset must close to mouth as much as possible to obtain better effect

How to Charge Battery











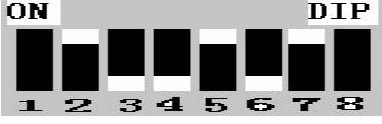



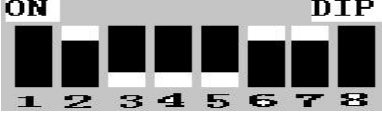





- a) Turn Walk Phone “OFF”
- b) Plug Charge Jack into “Charger socket”
- c) Plug Charger Adapter into an AC Outlet
- d) The battery charger is Fast charge system; the walk phone will not be damaged, even left it on the charger for more than 6 hours, but don't charge longer than 12 hours. A fully charged battery is capable of operate (transmitting and receiving) continually up to 4.5 hours, working in and out from a standby mode will last for 8 hours.



CHANNEL COMBINATOIN *Table (I)*

DIP SW	Channel	DIP SW	Channel
	CH1		CH11
	CH2		CH12
	CH3		CH13
	CH4		CH14
	CH5		CH15
	CH6		CH16
	CH7		CH17
	CH8		CH18
	CH9		CH19
	CH10		CH20

CHANNEL COMBINATOIN *Table (II)*

DIP SW	Channel	DIP SW	Channel
	CH21		CH31
	CH22		CH32
	CH23		CH33
	CH24		CH34
	CH25		CH35
	CH26		CH36
	CH27		CH37
	CH28		CH38
	CH29		CH39
	CH30		CH40

Channel –Frequency Table

CH	Master Unit		Remote Unit	
	TX	RX	TX	RX
1	2457.5714 MHz	2400.9685 MHz	2400.9685 MHz	2457.5714 MHz
2	2457.6784 MHz	2401.0755 MHz	2401.0755 MHz	2457.6784 MHz
3	2457.7854 MHz	2401.1825 MHz	2401.1825 MHz	2457.7854 MHz
4	2457.8924 MHz	2401.2895 MHz	2401.2895 MHz	2457.8924 MHz
5	2457.9994 MHz	2401.3965 MHz	2401.3965 MHz	2457.9994 MHz
6	2458.1064 MHz	2401.5035 MHz	2401.5035 MHz	2458.1064 MHz
7	2458.2134 MHz	2401.6105 MHz	2401.6105 MHz	2458.2134 MHz
8	2458.3204 MHz	2401.7175 MHz	2401.7175 MHz	2458.3204 MHz
9	2458.4274 MHz	2401.8245 MHz	2401.8245 MHz	2458.4274 MHz
10	2458.5344 MHz	2401.9315 MHz	2401.9315 MHz	2458.5344 MHz
11	2458.6414 MHz	2402.0385 MHz	2402.0385 MHz	2458.6414 MHz
12	2458.7484 MHz	2402.1455 MHz	2402.1455 MHz	2458.7484 MHz
13	2458.8554 MHz	2402.2525 MHz	2402.2525 MHz	2458.8554 MHz
14	2458.9624 MHz	2402.3595 MHz	2402.3595 MHz	2458.9624 MHz
15	2459.0694 MHz	2402.4665 MHz	2402.4665 MHz	2459.0694 MHz
16	2459.1764 MHz	2402.5735 MHz	2402.5735 MHz	2459.1764 MHz
17	2459.2834 MHz	2402.6805 MHz	2402.6805 MHz	2459.2834 MHz
18	2459.3904 MHz	2402.7875 MHz	2402.7875 MHz	2459.3904 MHz
19	2459.4974 MHz	2402.8945 MHz	2402.8945 MHz	2459.4974 MHz
20	2459.6044 MHz	2403.0015 MHz	2403.0015 MHz	2459.6044 MHz
21	2459.7114 MHz	2403.1085 MHz	2403.1085 MHz	2459.7114 MHz
22	2459.8184 MHz	2403.2155 MHz	2403.2155 MHz	2459.8184 MHz
23	2459.9254 MHz	2403.3225 MHz	2403.3225 MHz	2459.9254 MHz
24	2460.0324 MHz	2403.4295 MHz	2403.4295 MHz	2460.0324 MHz
25	2460.1394 MHz	2403.5365 MHz	2403.5365 MHz	2460.1394 MHz
26	2460.2464 MHz	2403.6435 MHz	2403.6435 MHz	2460.2464 MHz
27	2460.3534 MHz	2403.7505 MHz	2403.7505 MHz	2460.3534 MHz
28	2460.4604 MHz	2403.8575 MHz	2403.8575 MHz	2460.4604 MHz
29	2460.5674 MHz	2403.9645 MHz	2403.9645 MHz	2460.5674 MHz
30	2460.6744 MHz	2404.0715 MHz	2404.0715 MHz	2460.6744 MHz
31	2460.7814 MHz	2404.1785 MHz	2404.1785 MHz	2460.7814 MHz
32	2460.8884 MHz	2404.2855 MHz	2404.2855 MHz	2460.8884 MHz
33	2460.9954 MHz	2404.3925 MHz	2404.3925 MHz	2460.9954 MHz
34	2461.1024 MHz	2404.4995 MHz	2404.4995 MHz	2461.1024 MHz
35	2461.2094 MHz	2404.6065 MHz	2404.6065 MHz	2461.2094 MHz
36	2461.3164 MHz	2404.7135 MHz	2404.7135 MHz	2461.3164 MHz
37	2461.4234 MHz	2404.8205 MHz	2404.8205 MHz	2461.4234 MHz
38	2461.5304 MHz	2404.9275 MHz	2404.9275 MHz	2461.5304 MHz
39	2461.6374 MHz	2405.0345 MHz	2405.0345 MHz	2461.6374 MHz
40	2461.7444 MHz	2405.1415 MHz	2405.1415 MHz	2461.7444 MHz

Specifications

GENERAL

Dimensions	
Weight	
Modulation	Frequency Modulation
Tuning	PLL Frequency Synthesizer
Power	4.8 Volt Ni-MH Rechargeable Battery, 700mAH
Battery Life	Standby (70mA) ~ 10 hours; Communication (150mA) ~ 5 hours
Charging Time	150mA/hours fast; 6 hours for full charge

TRANSMITTER

Output	50mV/m (FCC Part 15)
Deviation	30KHz/± 10KHz
Modular Distortion	< 5%
Spurious Radiation	> 50 dBC

RECEIVER

Sensitivity	< -100dBm @12dB SINAD
IF Bandwidth	180KHz
Image Rejection	> 60 dB
Operating Temp	-10 to +40?
Switches	Off/ Volume; Channel Selection; Full/Standby
Antenna	internal

FCC ID: B4HSLT2400
MADE IN CHINA

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

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Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

"Modifications not authorized by the manufacturer may void users authority to operate this device"