SWATCOM
MULTICOM

Operating
Instructions

Talking Headsets Ltd

C E

The devices will come pre-configured according to customer requirements.

The SWATCOM MULTICOM system relies on one unit being the MASTER (ID 00), only one handset can be the MASTER, if more than one unit is designated as the MASTER the system will not operate properly. Each handset will also have its own unique designated number, which can be changed if necessary. No handset can have the same number, if they do then one of the handsets will not work.

1.0 Starting the system

- To start the system, locate the '**MASTER**' handset and switch it on, the 'MASTER's LCD display will show the '**MASTER**' and the '**TALK**' symbols.

- Turn on all other handsets, the LCD displays will show the '**TALK**' symbol, it does not matter in which order these are turned on, the system is now ready to be used.

The headsets can be attached either before or after the handsets have been switched on.

1.1 How to setup a MASTER Handset (TX & RX)

- Turn on the handset labelled **MASTER**

- Press and hold the '**Mode**' button until '**GRP**' flashes on the LCD and select the desired group number (0-39), via the volume control buttons.

- Press the '**Mode**' button again and use the volume buttons to set the ID to **00**, '**MASTER**' and '**TALK**' symbols will appear on the LCD.

- ***Side Tone:** Press '**Mode**' button again, '**SO**' will flash on the LCD. Select either '**SO**' (Side Tone On) or '**SF**' (Side Tone Off) via the volume buttons. The Side Tone is where you can hear your own voice in the headset.

- ***Transmit Mode:** Press '**Mode**' button again, '**PO**' will flash on the LCD. Select either '**PO**' Transmit and Receive (TX & RX) or '**PF**' Receive Only (RX). (This has no effect on the MASTER handset)

- ***Microphone Sensitivity:** Press '**Mode**' button again, '**C3**' will flash on the LCD. Use the volume buttons to select the desired sensitivity level.

- ***Audio Output Level:** Press '**Mode**' button again, '**UL**' will flash on the LCD. Select either '**UL**' (Audio Output Low) or '**UH**' (Audio Output High). Useful for when you are operating in a high-noise area.

- Press and hold the '**Mode**' and '**Talk**' buttons simultaneously for 7 seconds to lock all buttons except the volume control.

*Optional settings

1.2 How to setup, up to 4 full-duplex handsets (TX & RX)

- Turn on a handset from the numbers 1-4

- Press and hold the '**Mode**' button until '**GRP**' flashes on the LCD and select the desired group number (0-39), via the volume control buttons.

- Press the '**Mode**' button again and use the volume buttons to select an ID between **1** to **4**, the '**TALK**' symbols will appear on the LCD. Do **NOT** use the ID **00**.

- ***Side Tone:** Press '**Mode**' button again, '**SO**' will flash on the LCD. Select either '**SO**' (Side Tone On) or '**SF**' (Side Tone Off) via the volume buttons. The Side Tone is where you can hear your own voice in the headset.

- ***Transmit Mode:** Press '**Mode**' button again, '**PO**' will flash on the LCD. Select either '**PO**' Transmit and Receive or '**PF**' Receive Only. (If '**PF**' is selected it will stop you from transmitting)

- ***Microphone Sensitivity:** Press '**Mode**' button again, '**C3**' will flash on the LCD. Use the volume buttons to select the desired sensitivity level.

*Optional settings

- ***Audio Output Level:** Press '**Mode**' button again, '**UL**' will flash on the LCD. Select either '**Ul**' (Audio Output Low) or '**UH**' (Audio Output High). Useful for when you are operating in a high-noise area.

- Press and hold the '**Mode**' and '**Talk**' buttons simultaneously for 7 seconds to lock all buttons except the volume control.

1.3 How to setup other handsets in Listen-Only mode (RX Only)

- Turn on a handset from the numbers 5-34

- Press and hold the '**Mode**' button until '**GRP**' flashes on the LCD and select the desired group number (0-39), via the volume control buttons.

- Press the '**Mode**' button again and use the volume buttons to set the ID between 5 to 34, the '**TALK**' symbols will appear on the LCD. Do **NOT** use the ID **00**.

- ***Side Tone:** Press '**Mode**' button again, '**SO**' will flash on the LCD. Select either '**SO**' (Side Tone On) or '**SF**' (Side Tone Off) via the volume buttons. The Side Tone is where you can hear your own voice in the headset.

- **IMPORTANT Transmit Mode:** Press '**Mode**' button again, '**PO**' will flash on the LCD. Select '**PF**' Receive Only (RX).

- ***Microphone Sensitivity:** Press '**Mode**' button again, '**C3**' will flash on the LCD. Use the volume buttons to select the desired sensitivity level.

- ***Audio Output Level:** Press '**Mode**' button again, '**UL**' will flash on the LCD. Select either '**UL**' (Audio Output Low) or '**UH**' (Audio Output High). Useful for when you are operating in a high-noise area.

- Press and hold the '**Mode**' and '**Talk**' buttons simultaneously for 7 seconds to lock all buttons except the volume control.

*Optional settings

2 Range

All handsets must be within 400m Line-of-Sight (LoS) of the '**MASTER**'. When a handset goes out of range of the '**MASTER**' an audible BEEP will sound within the headset and the '**SIGNAL**' symbol on the LCD screen will have no bars.

3 Charging and Battery

IMPORTANT: Make sure the handset is turned **OFF** before charging, not doing so will significantly reduce the life of the battery.

- Plug the USB charging cable into the USB socket on the side of the handset

- Connect cable to charger and attached to mains power.

- The red LED in top right hand side of the handset will come on, the red LED will go off once the handset is charged

The handset contains a non-removeable, rechargeable 3.7V, 1100mA Li-Ion battery.

Handset Menu

GRP: Radio Groups	ID: Radio Identifications
40 Groups (Channels) available All users must be on the same group to be able to communicate.	• This is the handset identification code. The MASTER is always set a '00' • Full-Duplex (TX & RX) is always set 1-4 • Listen Only (RX) are always set at 5-34
SO/SF: Side Tone	**PO/PF: Transmit Mode**
The side tone feature is where you can hear your own voice in the headset, useful for self-monitoring. • SO: Side Tone ON • SF: Side Tone OFF	• PO: Transmit and Receive (TX & RX) • PF: Receive Only (RX)
C1-C5: Microphone Sensitivity	**UH/UL: Audio Output Level**
Select the sensitivity level of the microphone. • C1 lowest • C5 highest	Adjusts the output audio levels, useful in high-noise environments. • UH: Audio Output High • UL: Audio Output Low