

SWATCOM

RANGE

A range of Intrinsically safe, waterproof radio accessories and voice amplifiers designed to improve communication in the most demanding environments.

- Fire
- Technical Rescue
- Petro-Chemical
- Offshore Exploration
- Marine
- Military
- Tactical Response
- Law Enforcement
- HAZMAT Control
- Decontamination
- High Noise



SWATCOM 1 Modular Radio Accessory

The SWATCOM 1 (Modular Accessory PTT) can be configured to attach to virtually any portable two-way radio. The SWATCOM 1 is intrinsically safe, totally waterproof and dust tight. The unique TALKING HEADSETS accessory “Quick-Release” connector allows the PTT to be attached to any of the SWATCOM communication devices. This adaptability allows the same system to be tailored to a specific user workplace environment or operational needs.



Modular Waterproof ATEX Approved Two-Way Radio Accessory

From explosive atmospheres to high noise, face masks, protective suits and beyond, the SWATCOM 1 is part of the most flexible, adaptable and unique radio accessory solution on the market today.

The SWATCOM 1 radio accessory is modular which allows you to select the right headset to suit your application. The modular design allows you to go from using a high noise ear defender headset, to a throat microphone with earpiece, when using face masks or breathing apparatus. Alternatively, lightweight ruggedized headsets can be used with fire, marine and other helmets. All this can be achieved without having to change your PTT/radio interface.

Simply select the radio lead relevant to the radio you are using, along with the PTT (Press-to-Talk) type, then choose either a headset or throat microphone with earpiece, to suit your application.



Technical Specifications

| | |
|------------------------|--------------------------|
| Type of Product: | PTT/Radio Interface Unit |
| Type of Microphone: | Interchangeable |
| Push-to-Talk: | Either Available |
| Weight: | 7.1oz/202g |
| Cable Pull Strength: | 69kg / 31g |
| Colours: | Matt Black |
| Operating Temperature: | -20c to 40c |
| Water Resistance: | Yes |
| Adjustable Mounting: | Yes |
| ROHS Compliance: | Yes |
| IP Compliance: | Yes, IP-57 |
| Warranty: | 18 months |
| Part Number: | SC1 |

Product Info

- Rugged, waterproof and dust tight for harsh environments
- Works with most makes/models of portable two-way radios
- Modular design for easy 'Plug and Play' operation
- Large, easy to locate Push-to-Talk button
- Compatible in high noise and for use with face masks/protective suits
- Intrinsically Safe ATEX for explosive environments



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ATEX Configuration

Choose from a wide range of headsets, throat microphones and audio earphones



SWATCOM1 Radio Accessory Base Unit (available with either silent or clicking switch)

The SWATCOM1 is a heavy-duty waterproof and dust tight Press-To-Talk switch that incorporates the communication radio lead and enables modular connection to various SWATCOM headset options.



SWATCOM1 with Switch Guard

Switch guard ensures the PTT does not get depressed accidentally when being worn under clothing or protective suits.



Digital "Active Listening" Headsets **Non ATEX**

- MSA Supreme audio only headsets enable the user to hear ambient sounds whilst still protecting their hearing. Available in headband & neckband
- MSA Supreme two-way communication headsets enable the user to hear ambient sounds whilst still protecting their hearing and communicate with their two-way radio. Available in headband & neckband



SWATCOM 1 Modular Radio Accessory

SWATCOM 1

■ Heavy duty, waterproof and dust tight Press-to-Talk switch, that can be supplied with either silent (best suited for covert applications) or clicking tactile (best for general use) switch. The PTT can be configured to suit virtually any portable two-way radio and is supplied with the radio lead to suit your specific hand portable radio. Comes with a male quick release connector to enable the various headset/throat microphone options to be quickly interchanged.

SWATCOM 5

■ A revolutionary throat microphone with discreet whisper capabilities for both low and high noise environments and in applications that require a user to wear a face mask and/or protective suit. It has the ability to function with digitally encrypted radio networks and the 2-pin speaker option plug allows users to attach their choice of audio accessory from the range of SWATCOM audio speaker options.

SWATCOM 6/7

■ Heavy duty, rugged headset, with noise cancelling boom microphone. The neckband design allows the user to use the headset with or without a wide variety of hard hat safety helmets. Deep cups give excellent hearing protection and the flexi-boom microphone gives high voice clarity even in high noise areas. The SWATCOM 6 has one ear cup with slots to allow some ambient noise to be heard.

SWATCOM 8

■ This Military grade headset is designed for use in tough environments. It incorporates a noise cancelling microphone with robust flexi boom. The waterproof speaker is high quality and protected by a moulded housing. The flexible steel neckband is over moulded with a thermo plastic rubber for comfort and durability.

SWATCOM 9

■ A low cost headset for use primarily in low noise applications. Water resistant microphone and speaker with flexible neckband that can work with most types of headgear.

The Unique MODULAR design of the SWATCOM 1 offers significant cost savings!

Normal manufacturing practice means you have to buy a complete headset with the PTT (Press-to-Talk) hard wired together. If you then want to use a Throat Microphone with Earpiece you might have to buy another complete system, again hard-wired to the PTT. This can prove to be very costly.

As the SWATCOM headsets, throat microphone and earpieces are modular and interchangeable with the PTT assembly, it enables greater flexibility and therefore significantly helps reduce overall costs.



Other headset options are available on request (NON-ATEX)

SWATCOM 1

Positioning the Boom Mic

Whether using a lightweight or heavy duty headset, always ensure that the boom mic is positioned no further than a finger-width away from the mouth for optimal transmission to the microphone.



Flexible boom mic

The boom mic of our Headsets are extremely flexible and can be adjusted to any particular position without worry of being displaced from the desired position.



Typical applications

- Offshore Exploration
- Petro-Chemical Plants
- Oil Refineries
- Shot Blasting
- Construction
- Pharmaceutical Plants
- Chemical Weapons Destruction
- Shipyards
- Ship Board Fire Control
- Sand Blasting
- Power Plants
- Utilities
- Fishing Vessels
- Spray Painting
- Fire Fighting & Rescue
- Technical Rescue
- Water Rescue
- Highway Maintenance
- Railway Maintenance
- Truck Operators
- Hazardous Material Suits
- Law Enforcement
- Tactical Response Teams
- Crane Operators
- High Steel Riggers
- Pile Driving Crews
- Line Painting Trucks
- Pulp & Paper Plants
- Ships Engine Rooms

Is the SWATCOM 1 Intrinsicly Safe Approved?

YES. ATEX (see page 2)

Is the SWATCOM 1 Waterproof?

YES

Can the SWATCOM 1 Be used with Breathing Apparatus?

YES, Use the SWATCOM 5 throat microphone with suitable earphone

Can the SWATCOM 1 be used with Encapsulated Suits?

Yes. The Large PTT enables easy communication with two-way radio

Can the SWATCOM 1 be used with different radio makes & models?

YES. It can be configured to suit virtually any hand portable radio on the market.

Can the SWATCOM 1 be decontaminated?

YES. Wash in mild detergent and replace ear pads and Earphone tips.

Can the SWATCOM 1 be configured for VOX transmission.

NO. The large PTT with AUX PTT options allows great flexibility to activate the PTT in most scenarios. VOX can jam the radio in transmit mode and blocks anyone else transmitting.

Does the SWATCOM 1 require any batteries?

NO. It gets it's power from the radio.

Can I use the SWATCOM 1 in High Noise areas?

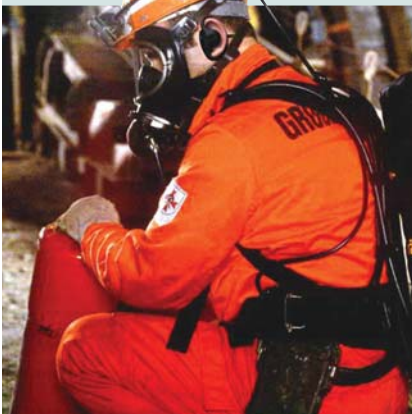
YES. Connect the SC7 heavy duty noise-cancelling headset.

Do I have to buy another SC1 PTT when I want to switch from using a high-noise headset (SC7) to a rugged waterproof lightweight headset (SC8)?

NO. The modular "Quick-Release" connection allows simple interchangeability between headsets to suit your application.

SWATCOM 1 Modular Radio Accessory

- Intrinsically Safe ATEX approved for explosive environments
- Waterproof and dust tight for extreme environments
- Works with most makes/models of hand portable two-way radios
- Modular design for "Plug & Play" between headsets and earpieces
- Headset versatility allows use in a wide range of applications
- Compatible with face masks and protective suits
- Can be used in high noise environments
- Large, easy to locate Push-to-Talk button
- 360 degree belt clip
- AUX PTT option enables greater flexibility for remote operation
- No batteries required as power comes from the radio



SWATCOM 1 PTT with Auxiliary PTT options

All Headset options connect to the SC1 via a waterproof 'Quick-Release' connector allowing for rapid attachment and detachment from the unit.



Secondary Options – Auxiliary PTT (Press-To-Talk) options



The SWATCOM 1 also allows for connectivity with two types of remote Push-to-Talk; the SWATCOM 16 Velcro Switch and the SWATCOM 17 Ring Switch (both shown above). This further adds to the versatility of the SWATCOM 1 making it an excellent add-on to your portable radio for a wide range of applications.

Remote PTT Switches – Use



Use the Ring Switch for...
Easy PTT activation while holding sidearm weapons, note pads, radios, megaphones, etc. etc.



Use the Velcro Switch on...
Bicycle or motorcycle handles, long range weapons, stationary objects, etc. etc.

Modular audio earphone options for use with SWATCOM 5 throat microphone



SC10 Universal Speaker

The universal speaker works well for virtually any application. It's versatility enables it to be used when wearing face masks, SCBA's and or encapsulated suits.



SC11 High Noise Audio Only Headset

Enables clear communications in high noise areas. The headband rotates to enable use with a hard hat.



SC12 "D" Style Over-the-Ear Earphone

Used for virtually any application. Can be worn with or without helmets.



SC13 Semi-Covert Speaker with Acoustic Tube (NON ATEX)

The tactical speaker is ideal for covert operations that require the user to maintain a low profile during operations. The coiled acoustic tube provides discrete appearance while the speaker provides clear communication and is comfortable to wear.



SC14 In-Line Speaker

Excellent for tactical operations that require more covert equipment. The flexible in-line speaker can also be worn with a variety of face masks and SCBA's



SC15 Behind-the-Ear "C" Style Earpiece

A very versatile speaker option with a pivotal speaker element that allows you to wear it on either the left or right ear. Extremely comfortable to wear and can be used in virtually any situation with any type of headgear.

SC5 throat microphone with modular audio earphones

SWATCOM 5 waterproof throat microphone enables clear communications when wearing face masks and breathing apparatus even in high noise environments. The modular earpiece design allows different earpieces to be worn to suit your requirements.

SC5 Throat mic



Earpieces quickly connect by 2 pin Nexus.

Proper wear of earphone with throat mic



Connecting quick release of throat mic & Push-to-Talk accessory

Plug male connector of Push-to-Talk accessory into female connector of throat mic



SC1 Radio accessory

SWATCOM 2 PTT Throat Microphone

This unique throat mic and PTT (Push-to-Talk switch) was designed specifically for Military and Law Enforcement users who want a reliable accessory for voice communication that is streamline, easy to use and can be adapted in the field, for a variety of operational scenarios. Whether it involves gas masks, breathing apparatus, protective equipment, bad weather, noisy weapons, noisy vehicles or just plain noisy surroundings the SWATCOM 2's got it covered.



The PTT switch on the SWATCOM 2 is located on the rear of the throat mic housing under the strap. By pressing the PTT switch the user ensures a solid connection between the throat and the microphone element. Additionally the SWATCOM 2 contains breakthrough technology that is revolutionary in throat mic design. It also has the ability to function with digitally encrypted radio networks.

You will never have to hunt for the PTT switch again; you will always know exactly where it is. When you are crawling on the ground you don't have to worry about it going off by accident. The SWATCOM 2 is sealed and waterproof, the hypo-allergenic silicone rubber housing is held comfortably in place with a slip-resistant, expanding neck band, adjustable to just about anyone's neck.

Technical Specifications

| | |
|------------------------------|------------------|
| Type of Product: | Microphone/PTT |
| Type of Microphone: | Proprietary |
| Mic Sensitivity: | -32+ / 6dB pk* |
| Mic Operating Voltage: | 1.3 to 10 VDC |
| Mic Operating Current: | < 500 uA |
| Mic Frequency Response: | 300Hz to 4kHz |
| Speaker - Single/Double: | Single/Various |
| Speaker Sensitivity: | Accessory Varied |
| Speaker Element Freq. Resp.: | Accessory Varied |
| Speaker Impedance: | 77 to 88 Ohm |
| Headband Material: | Rubber |
| Weight: | 1.5/42 |
| Cable Pull Strength: | 85/38 |
| Colours: | Matt Black |
| Helmet Compatible: | Yes |
| Face mask Compatible: | Yes |
| Enviro Suit Compatible: | Yes |
| Water Resistance: | Yes |
| Adjustable Mounting: | Yes |
| ROHS Compliance: | Yes |
| Warranty: | 18 months |
| Part Number: | SC2 |

Product Info

- Slimline and covert
- Easy to locate Push-to-Talk button
- Use with any make or model of face mask or breathing apparatus
- Waterproof & dust tight
- Connects to most makes/models radios
- Multiple speaker options for added versatility
- PTT rated for 500,000 cycles

Typical applications

- Covert Operations
- Tactical Response
- Military Operations
- Surveillance
- SWAT Teams

Configuration

Choose from a wide range of audio earphones and electronic headsets



SWATCOM 2 Base Unit

The SWATCOM 2 base unit includes the throat mic and Push-To-Talk. The base unit does not include a speaker option or radio interface cable. It can be configured to allow users to configure the SWATCOM 2 with any TALKING HEADSETS speaker options.

The PTT switch is built right into the throat mic and is activated by depressing the PTT button on top of the mic element. The throat mic itself has discrete whisper capabilities and delivers extremely clear sound even in high noise areas.

Auxiliary PTT options

The SWATCOM 2 also allows for connectivity with two types of remote Push-to-Talk; the SWATCOM 16 velcro switch and the SWATCOM 17 ring switch (both shown below). This

further adds to the versatility of the SWATCOM 2 making it an excellent add-on to your portable radio for a wide range of applications.



Digital "Active Listening" Headsets

SC76302-X-02

SC75302-X-02

- MSA Supreme audio only headsets enable the user to hear ambient sounds whilst still protecting their hearing. Available in headband & neckband

SWATCOM 3 Voice Amplifier with Radio Accessory

The SWATCOM 3 was developed as a new concept in radio accessory functionality; it combines a two-way radio accessory with a voice amplifier. The device can utilize any of the SWATCOM accessories to facilitate voice communication. The amplification function allows users to speak at normal levels and be understood while wearing full face or half mask respiratory protection, PAPR's or protective suits.



SWATCOM 3 incorporates the functionality of a portable two-way radio accessory into the same housing as the voice amplifier. It features a combination PTT Switch and speaker grill (patent pending) to provide the user with quick and easy access to their radio network. The SWATCOM 3 incorporates multiple glands, seals and gaskets into the carbon filled polycarbonate housing so the unit can be washed, decontaminated and withstand heavy use. Standard features include on/off/volume control knob, visual dual colour power/ low battery

indicator LED, unique TALKING HEADSETS accessory "Quick-Release" connector, molded in lanyard attachment point, 360 degree swivel belt clip and captive battery housing thumbscrews.

The SWATCOM 3 is powered by three standard 'AA' batteries and will operate for up to 48 hours. (batteries included). Moreover, the SWATCOM 3 includes a fail safe feature, whereby the portable radio function continues to operate when the batteries that power the voice amplifier are completely drained.

Technical Specifications

| | |
|---------------------------------|---------------------|
| Type of Product: | Voice Amplifier PTT |
| Type of Microphone: | Interchangeable |
| Speaker Material: | Mylar |
| Speaker Frequency Response: | 450Hz to 9Hz |
| Push-to-Talk: | Tactile |
| Self-Powered: | Yes |
| Battery Type: | 3x 1.5V-AA cells |
| Battery Life Operation Standby: | 40/200 |
| Weight: | 13.7oz/390g |
| Cable Pull Strength: | 69kg / 31g |
| Colours: | Matt Black |
| Operating Temperature: | -20c to 40c |
| Output Sound Level Speech: | 84dB |
| Water Resistance: | Yes |
| Adjustable Mounting: | Yes |
| ROHS Compliance: | Yes |
| IP Compliance: | Yes, IP-57 |
| EMC Compliance: | Yes |
| Warranty: | 18 months |
| Part Number: | SC3 |

Product Info

- Large Speaker with integrated PTT
- Volume control
- Fail safe operation
- Revolutionary throat mic design
- Versatile audio accessories
- Loud & clear voice amplification
- Powered by 3 AA batteries
- Low battery indicator
- Survives all weather conditions
- Easy to locate speaker & PTT
- Use with any make or model of face mask or breathing apparatus
- Connects to most makes/models radios
- Waterproof & dust tight
- 48 hours of operating time

Configuration

Choose from a wide range of headsets, throat microphones and audio earphones



Typical applications

- CBRN/WMD
- Bio-Chemical
- Decontamination
- Hazmat Control

SWATCOM 3 - Features & Use

Modular design enables great flexibility between headsets, throat microphones and earpieces

"Quick-Release" connector

Connects your voice amplifier to a microphone/speaker device such as a headset or throat mic.



On/Off switch & volume control

Activates/deactivates the voice amplifier (by turning knob) as well as regulates the volume of the voice amplifier speaker. Turn clockwise to power unit on and/or increase volume and counter-clockwise to turn unit off and/or decrease volume.



Speaker grill & Push-to-Talk switch

Amplifies the wearers voice when connected to a microphone device and also transmits the users voice via radio signal when the PTT is activated (pushed down as shown)



Radio Interface Cable

Connects the SC3 to a portable radio.
*Cable, connector and radio shown are examples only.



SWATCOM 3

Push-to-Talk switch

Transmits the users voice via the connected portable radio when the PTT is activated (pushed down as shown)

SC5



SC6/7



SC8

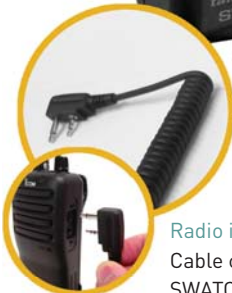


SC9



"Quick-Release" connector

Connects your SWATCOM 1 to a headset or throat microphone.



Radio interface

Cable connects the SWATCOM 1 to a portable radio. *Cable, connector and radio shown are examples only.

SC3



Rugged rotary belt clip

Secures the SWATCOM 1 to a belt or another anchor point on the wearers body.

SWATCOM 5

■ A revolutionary throat microphone with discreet whisper capabilities for both low and high noise environments and in applications that require a user to wear a face mask and/or protective suit. It has the ability to function with digitally encrypted radio networks and the 2-pin speaker option plug allows users to attach their choice of audio accessory from the range of SWATCOM audio speaker options.

SWATCOM 6/7

■ Heavy duty, rugged headset, with noise cancelling boom microphone. The neckband design allows the user to use the headset with or without a wide variety of hard hat safety helmets. Deep cups give excellent hearing protection and the flexi-boom microphone gives high voice clarity even in high noise areas. The SWATCOM 6 has one ear cup with slots to allow some ambient noise to be heard.

SWATCOM 8

■ This Military grade headset is designed for use in tough environments. It incorporates a noise cancelling microphone with robust flexi-boom. The waterproof speaker is high quality and protected by a moulded housing. The flexible steel neckband is over moulded with a thermo plastic rubber for comfort and durability.

SWATCOM 9

■ A low cost headset for use primarily in low noise applications. Water resistant microphone and speaker with flexible neckband that can work with most types of headgear.

When using throat microphones see detailed audio earphone options on page 5

SWATCOM 4 Voice Amplifier

The SWATCOM 4 is a portable voice amplifier that when attached to a throat mic or lightweight boom mic headset amplifies the user's voice. It allows users to speak at normal levels and be clearly understood while wearing face masks, PAPR'S (Powered Air Purifying Respirators) and/or protective suits.



The SWATCOM 4 is intrinsically safe approved for hazardous locations and incorporates multiple glands, seals and gaskets within the carbon filled polycarbonate housing so the unit can be washed, decontaminated and withstand heavy use. Standard features include on/off/volume control knob, visual dual colour power/low battery indicator LED, unique TALKING HEADSETS

accessory "Quick-Release", molded in lanyard attachment point, 360 degree swivel belt clip and Captive battery housing thumbscrews. The SWATCOM 4 is powered by three standard 'AA' batteries and will operate for up to 48 hours. (batteries and neck lanyard included).

Technical Specifications

| | |
|---------------------------------|------------------|
| Type of Product: | Voice Amplifier |
| Type of Microphone: | Interchangeable |
| Speaker Material: | Mylar |
| Speaker Frequency Response: | 450Hz to 9Hz |
| Self-Powered: | Yes |
| Battery Type: | 3x 1.5V-AA cells |
| Battery Life Operation Standby: | 40/200 |
| Weight: | 13.9oz/393g |
| Cable Pull Strength: | 69kg / 31g |
| Colours: | Matt Black |
| Operating Temperature: | -20c to 40c |
| Output Sound Level Speech: | 84dB |
| Water Resistance: | Yes |
| Adjustable Mounting: | Yes |
| ROHS Compliance: | Yes |
| IP Compliance: | Yes, IP-57 |
| EMC Compliance: | Yes |
| Warranty: | 18 months |
| Part Number: | SC4 |

Product Info

- Large speaker
- Volume control
- Revolutionary throat mic or rugged lightweight headset
- Loud & clear voice amplification
- Powered by 3 AA batteries
- Low battery indicator
- Survives all weather conditions
- Use with any make or model of face mask or breathing apparatus
- Waterproof & dust tight
- 48 hours of operating time



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It is ideal for use in a wide range of applications including those involving mass decontamination. First responders, doctors, nurses and emergency personnel wearing any type of protective mask or hood. In industry SWATCOM 4 can be used to improve person to person communication while wearing protective suits.

Configuration



All options connect to the SC4 via a "Quick-Release" connector allowing for rapid attachment and detachment from the unit.

Typical applications

- Clean Rooms/Labs
- Corrosion Control
- Decontamination
- Hazmat Control
- Water/Waste Water



Why use a Voice Amplifier?

Wearing chemical or protective suits and face masks greatly restricts your ability to communicate with anyone, even if they are stood right next to you. You will often have to shout in order to be heard. This will greatly increase your stress levels at a time when you may already be highly stressed. Reducing stress, increases productivity and user comfort.



The SWATCOM 4 Voice Amplifier allows you to speak at normal voice levels, significantly reducing stress by improving your ability to communicate easily and without having to shout. Clear, reliable communications in demanding and stressful environments will also significantly improve personal safety.

A-KABEL 2 TALK MODULAR

2talk
Modular

2talk
High Noise

The A-KABEL 2talk Wireless communications systems offer full duplex communication between two people up to 150 metres apart.

The 2talk Modular has a quick disconnect connection that allows numerous types of headsets to be connected to suit the type of application required.



- 2talk Modular work in pairs
- Class I Bluetooth enables up to 150 metres working distance between headsets
- Encrypted full duplex communication between users
- 2talk Modular can be paired to the 2talk High Noise heavy duty headsets
- Pairs of headsets will not interfere with other headsets working in the same area
- Total hands-free communication allows full mobility for the user
- Many different styles of headset can quickly be connected to the dongle
- Flashing LED indicates dongles are in operation
- Can be fitted with re-chargeable batteries which can be charged without having to remove them with approx 12 hours user time (4 hours charge time)
- Can also be powered by 2 x AA batteries
- Flexible modular headset range allows use even when wearing fireman's or other protective helmets
- Waterproof connection between headset & handset
- Can be used with throat microphone allowing use whilst wearing breathing apparatus & masks
- Rugged, durable design



Waterproof "Quick-Release" modular connection



Versatile headset portfolio allows use with many types of headgear

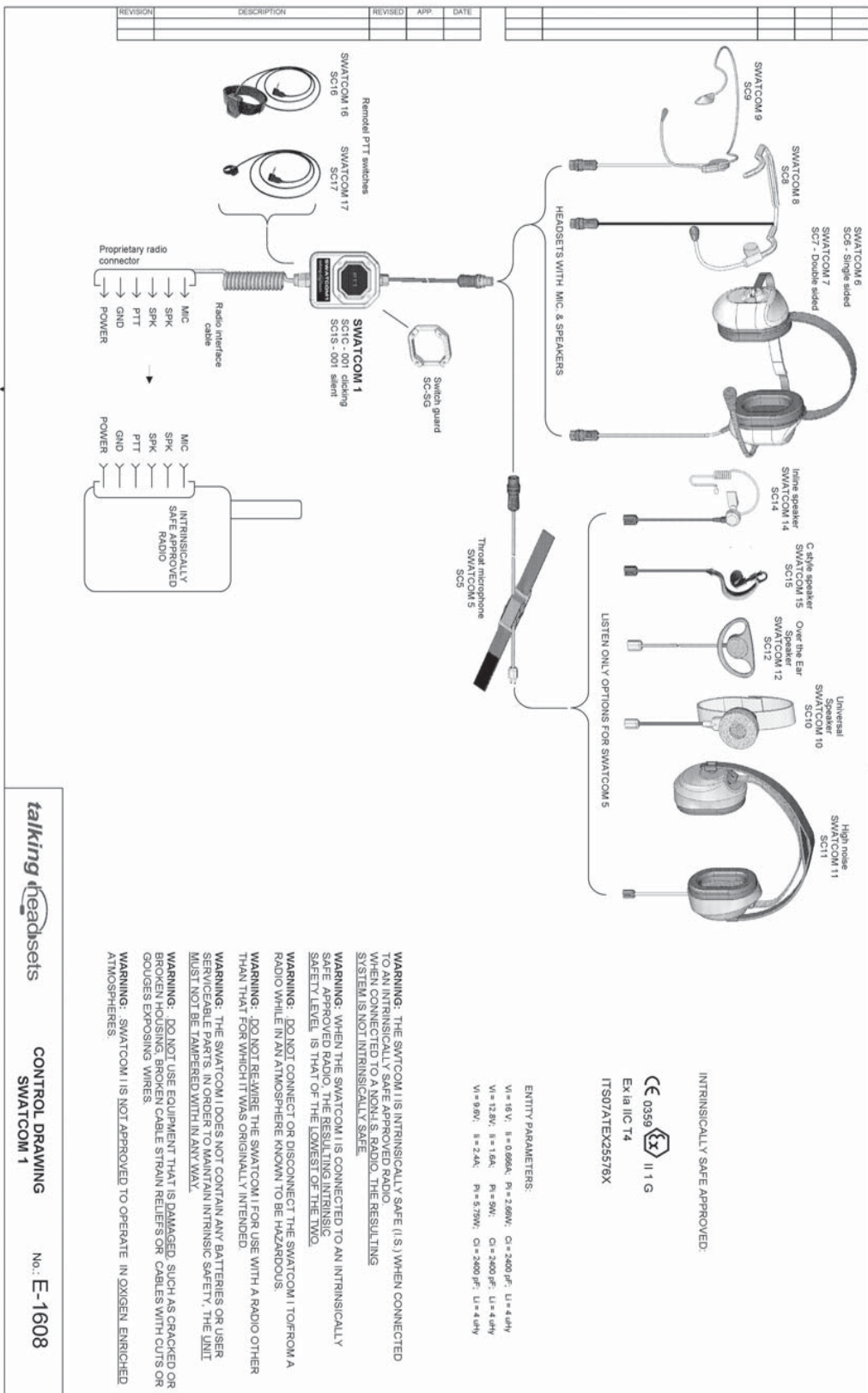
Compatible with all SWATCOM modular headsets and earphones.

Configuration

Choose from a wide range of headsets, throat microphones and audio earphones



Control Drawing



talking headsets

CONTROL DRAWING
SWATCOM 1

No.: E-1608

Technical Specifications

| | SC2 Throat Mic | SC5 Throat Mic | SC6/7 Headset | SC8 Headset | SC9 Headset |
|--|--------------------------------------|--------------------------------------|---------------------------|-------------------|-------------------|
| Type of Product | Microphone | Microphone | Headset Single & Dual | Headset | Headset |
| Type of Microphone | Proprietary | Proprietary | Electret Element | Electret Element | Electret Element |
| Mic Sensitivity | -32 +/-6dB pk* | -32 +/-6dB pk* | TBA | -43 +/-3dB | -40 +/-2dB |
| Mic Operating Voltage | 1.3 to 10 VDC | 1.3 to 10 VDC | 2 to 10 VDC | 1.3 to 17 VDC | 1.0 to 10 VDC |
| Mic Operating Current | <500uA | <500uA | <500uA | <500uA | <500uA |
| Mic Freq. Response | 300 Hz to 4 kHz | 300 Hz to 4 kHz | 400 Hz to 8 kHz | 250 Hz to 4 kHz | 100 Hz to 10 kHz |
| Speaker-Single/Double | Single/Various | Single/Various | Either available | Single | Single |
| Speaker Sensitivity | Accessory Dependant | Accessory Dependant | TBA | 108 +/- 3dB/ 10mW | 117 +/- 3dB/ 10mW |
| Speaker Element Frequency Response | Accessory Dependant | Accessory Dependant | TBA | 250 Hz to 4 kHz | 250 Hz to 4 kHz |
| Speaker Impedance presented to radio** | 77 to 88 Ohm- Accessory Dependant | 77 to 88 Ohm- Accessory Dependant | 88 Ohm | 88 Ohm | 88 Ohm |
| Headband Material | Rubber | Rubber | Rubber/Steel/Rayon | Rubber | Rubber |
| Ear Cushion | n/a | n/a | Gel-filled Poly Eurythane | Rubber Foam | Rubber Foam |
| Weight | 1.4/40 | 1.5/42 | 26/730 | 2.83/80 | 1.15/33 |
| Cable Pull Strength | 85/38 | 85/38 | 84/38.7 | Preliminary | Preliminary |
| Colour | Matt Black | Matt Black | Matt Black | Matt Black | Matt Black |
| Helmet Compatible | Yes | Yes | Yes | Yes | Yes |
| Face mask Compatible | Yes | Yes | No | No | No |
| EnviroSuit Compatible | No | Yes | Yes | Yes | Yes |
| Water Resistance | Yes | Yes | Yes | Yes | Yes |
| Adjustable Mounting | Yes | Yes | Yes | Yes | Yes |
| ROHS Compliance | TBA | Yes | Yes | Yes | Yes |
| Warranty | 18 mos | 18 mos | 18 mos | 18 mos | 18 mos |
| Part Number | SC2 | SC5 | SC6/7 | SC8 | SC9 |

| | SC1 | SC3 | SC4 |
|-----------------------------|-----------------------------|--------------------------|---------------------|
| Type of Product | PTT/Radio Interface Unit | Radio Voice Amplifier | Voice Amplifier |
| Type of Microphone | Interchangeable | Interchangeable | Interchangeable |
| Speaker Material | n/a | Mylar | Mylar |
| Speaker Freq. Resp. | n/a | 450 Hz to 9- kHz | 450 Hz to 9- kHz |
| Push-To-Talk | Either available | Tactile | n/a |
| Self-Powered | n/a | Yes | Yes |
| Battery Type | n/a | 3 x 1.5V- AA cells. | 3 x 1.5V- AA cells. |
| Battery Life Operation/Stby | n/a | 40/200 | 40/200 |
| Weight | 7.1oz/202g | 13.7oz/390g | 13.9oz/393g |
| Cable Pull Strength | 69kg/31g | 69kg/31g | 69kg/31g |
| Colours | Matt Black | Matt Black | Matt Black |
| Operating Temp | -20C to 40C | -20C to 40C | -20C to 40C |
| Output Sound Level -Speech | n/a | 84 dB | 84 dB |
| Water Resistance | Yes | Yes | Yes |
| Adjustable Mounting | Yes | Yes | Yes |
| ROHS Compliance | Yes | Yes | Yes |
| IP Compliance | Yes, IP-57 | Yes, IP-57 | TBA |
| EMC Compliance | TBA | Yes | TBA |
| Warranty | 18 mos | 18 mos | 18 mos |
| Part Number | SC1.001 | SC3.001 | SC4 |

Mic sensitivity measured in (units): dB re 1Vrms/
Pa (mic) dB re 1Vpk

*throat mic

Speaker sensitivity measured in (units): dB @ 1,
1.4, 1.7 & 2 kHz 6cc coupler

* = Subject wearing the throat mic saying "a" as
in father at 80dB C SPL, measured 30cm (12")
distance from subject

** = This impedance consists of the respective
speaker element impedance in series with the
72 Ohm internal resistance. (Requirement for
intrinsic safety)

n/a = not available

All products are **RoHS Compliant**

- Noise Cancelling Headsets
- SWATCOM ATEX Headsets
- Two-Way Radios and Headsets
- Electronic Shooting Muffs
- 2talk Wireless DUPLEX Headset Solutions
- A-KABEL ATEX Headsets
- Ear muffs, Safety Helmets and Visors
- Covert Audio Accessories
- Military, Tactical SWAT and Waterproof Headsets
- Marine and Aviation Headsets
- FM Radio and ACTIVE Headsets
- Endura Batteries and Chargers

Authorised Distributor