savox
COMMUNICATIONS

Safety and
communication
equipment
for enhanced
professional
performance

Designed for usability, reliability and durability

SAVOX® safety and communication equipment has been developed for demanding professional use in fire and rescue services, industries, defense forces, security services, civil defense, border control and police forces.

The strengths of our solutions include ruggedness, reliability and compatibility with a wide range of products, achieved through close co-operation with manufacturers of radio and safety equipment.

We prioritise usability in our designs – the special design of our push-to-talk units prevents unintentional transmission even when operated under protective clothing. SAVOX Communications also has strong expertise in intrinsic safety and ATEX-approved products.

Intrinsically safe accessory available
(subject to radio models)

IP67 Foreign body and water protection level 67

IP55 Foreign body and water protection level 55
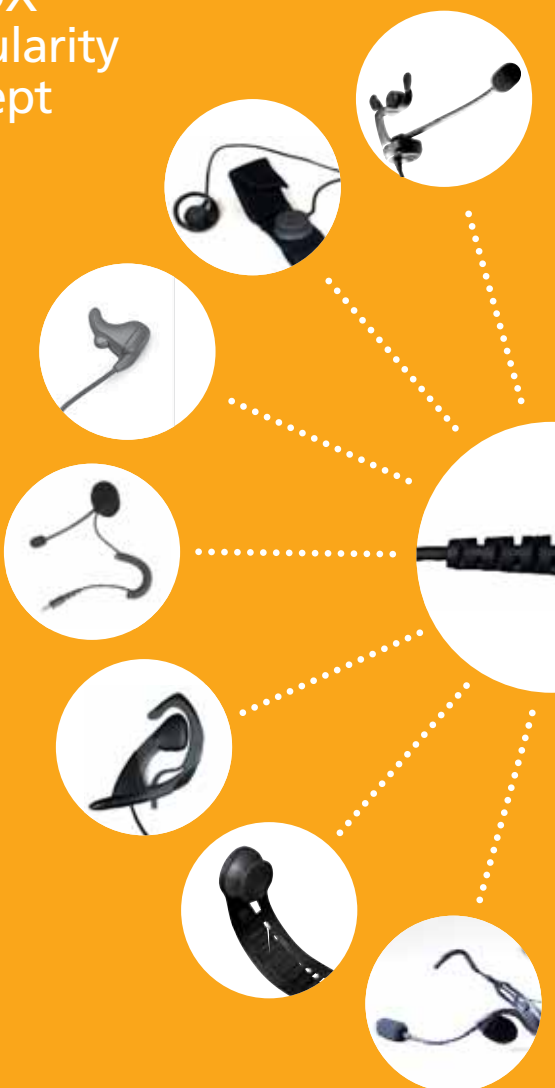
W Wireless functions available

Fire and rescue   Police   Military   Industrial

The unique SAVOX modularity concept

HEADSETS

COM-CONTROL UNITS TO RADIO

Broad compatibility with radios

SAVOX® accessories are compatible
with the following radio manufacturers' radios:

- **EADS Tetra**
- **EADS Tetrapol**
- **FWK**
- **Motorola**
- **Icom**
- **Entel**

- **Kenwood**
- **Hyt**
- **Maxon**
- **Niros**
- **Selex**
- **Sepura**

- **Simoco**
- **Tait**
- **Teltronic**
- **TP-Radio**
- **Vertex**

If you would like to talk to someone about compatibility
with other radio brands or need more detailed information,
please contact the SAVOX sales team. Please check the
availability of optional accessories for your radio model.

SAVOX® C-C500
multi-purpose remote speaker mic

User data

- can be used with or without a headset
- adapts any SAVOX headset to your two-way radio
- two large push-to-talk buttons
- durable and water-resistant (IP 67)
- rotating belt clip
- ergonomic
- optimal size

Headset jack

Radio cable

Push-to-talk button

TECHNICAL DATA	
Weight	200 g
Size	110 x 65 x 25 mm
Cable	Ø 4 mm, PU, length according to application
Microphone	omnidirectional electret
Speaker impedance	8 ohm @ 1kHz
Speaker/ mic cable	Ø 2.5 mm, 290 mm/195 mm (PVC/PUR)
Connectors	4-pole quick-release jack/radio-specific connector
Operation temperature	-25 to +63 °C (continuous)
Supply voltage	2,5–10,0 VDC
Humidity	95% RH, +63 °C for 500 hours
Ingress protection	IP67
ESD, EMI immunity	conforms to EN 301 489-1

OPTIONS

- remote PTT
- function buttons

Alternative push-to-talk button

Function buttons on both sides

Push-to-talk button

Radio cable

Headset cable

User data

- special rugged design
- extra durable and water-resistant
- rotating clip
- black/olive colour
- matte surface finish
- MIL-STD 810F tested
- wireless PTT for maximum operational awareness

TECHNICAL DATA

Weight	180 g (excluding clip)
Size	80 x 30 mm
Cable	according to application
Connectors	4-pole quick-release jack for headset, radio-specific connector
Operation temperature	-25 to +63 °C (continuous)
Ingress protection	IP67

OPTIONS

- wireless PTT with straps
- function buttons
- Picatinny mounting for wireless PTT

SAVOX® C-C400
com-control/push-to-talk unit

User data

- adapts any SAVOX headset to your two-way radio
- extra large PTT button secures radio transmission in all situations
- slim design
- durable and water-resistant (IP 55)
- belt clip

Push-to-talk button

Headset jack

Radio cable

TECHNICAL DATA

Weight	120 g (excluding clip)
Size	76 x 17 mm
Cable	according to application
Connectors	4-pole quick-release jack for headset, radio-specific connector
Operation temperature	-25 to +63 °C (continuous)
Supply voltage	2,5–10,0 VDC
Humidity	95% RH, +63 °C for 500 hours
Ingress protection	IP55
ESD, EMI immunity	conforms to EN 301 489-1

OPTIONS

- optional extra-sensitive PTT button
- optional remote PTT
- available in different colours
- clothing clip

Headset jack

Headset cable

Push-to-talk cable

Push-to-talk unit

Radio cable

User data

- for crowd management and special task applications
- adapts most SAVOX headsets to your two-way radio
- small master PTT
- available with two external PTTs: riot PTT and rifle PTT
- durable cables

TECHNICAL DATA

Weight	240 g
Connectors	4-pole quick-release jack for headset, Radio-specific connector
Operation temperature	-25 to +63 °C (continuous)
Humidity	95% RH, +63 °C for 500 hours
ESD, EMI immunity	conforms to EN 301 489-1

OPTIONS

- motorcycle PTT (deconnectable)
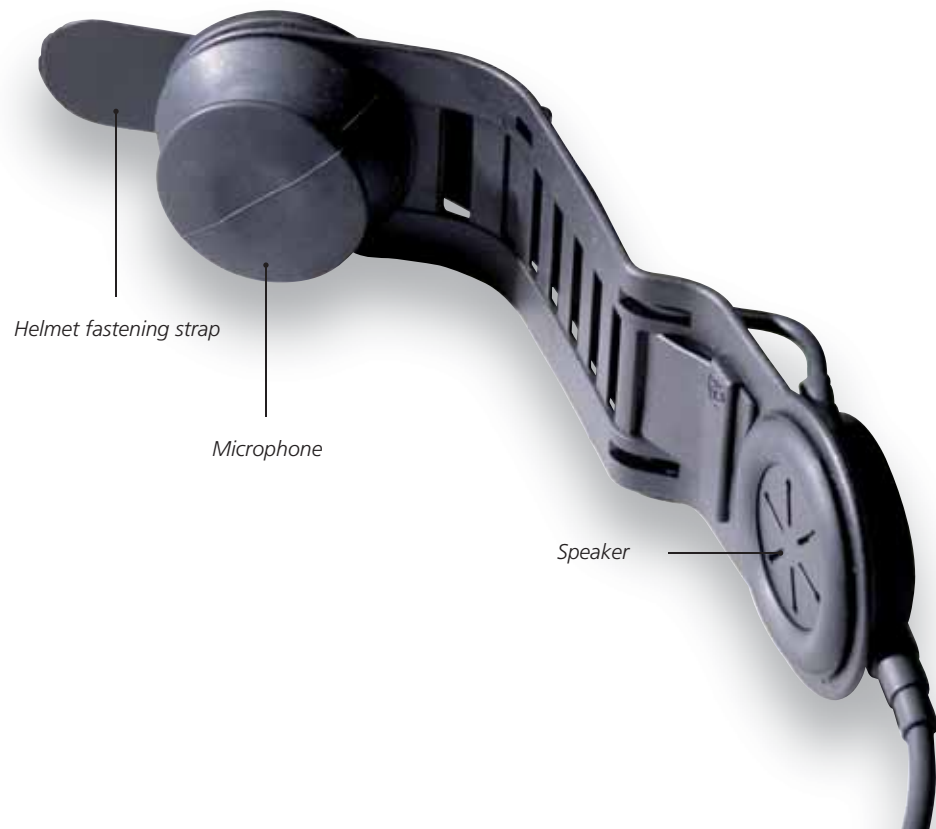- riot PTT
- rifle PTT

SAVOX® HC-1
helmet-com® unit bone-mic/single speaker

User data

- bone-conductive microphone
- quick-release connector
- especially suitable for fire and rescue tasks
- unique fastening-strap system fits all helmets
- mounts without any tools
- light, compact
- adapts to all SAVOX PTT units

Helmet fastening strap

Microphone

Speaker

TECHNICAL DATA	
Weight	85 g
Size	40 x 160 mm
Microphone	vibration-sensitive, impedance approx. 3500 ohm @ 1 kHz, noise cancellation 30 dB
Cable	coiled (flame-retardant): Ø 4 mm/380 mm; straight (flashover-proof): Ø 4 mm/750 mm
Connector	4-pole quick-release connector
Operation temperature	-25 to +63 °C (continuous)
Humidity	95% RH, +63 °C for 500 hours

OPTIONS

- straight cable
- flashover-proof cable
- short/long arm
- headband

SAVOX® HC-2
helmet-com® unit bone-mic/dual speaker

Microphone

Speakers

User data

- bone-conductive microphone
- quick-release connector
- especially suitable for fire and rescue tasks
- unique fastening-strap system fits all helmets
- mounts without any tools
- light, compact
- adapts to all SAVOX PTT units

TECHNICAL DATA

Weight	85 g
Size	40 x 160 mm
Microphone	vibration-sensitive, impedance approx. 3500 ohm @ 1 kHz, noise cancellation 30 dB
Cable	coiled (flame-retardant): Ø 4 mm/380 mm; straight (flashover-proof): Ø 4 mm/750 mm
Connector	4-pole quick-release connector
Operation temperature	-25 to +63 °C (continuous)
Humidity	95% RH, +63 °C for 500 hours

OPTIONS

- straight cable
- flashover-proof cable
- short/long arm
- twin speaker
- headband

SAVOX® HC-E
helmet-com® unit integrated electret mic

User data

- quick-release connector
- especially suitable for fire and rescue tasks
- unique fastening-strap system fits all helmets
- mounts without any tools
- light, compact
- adapts to all SAVOX PTT units

Helmet fastening strap

Speaker and microphone

TECHNICAL DATA

Weight	70 g
Size	110 x 40 x 12 mm
Microphone	electret, impedance 2.2 kohm @ 1 kHz
Speaker impedance	32 ohm
Cable	coiled (flame-retardant): Ø 4 mm, 380 mm; straight (flashover-proof): Ø 4 mm, 750 mm
Connector	4-pole quick-release connector
Operation temperature	-25 to +63 °C (continuous)
Humidity	95% RH, +63 °C for 500 hours

OPTIONS

- straight cable
- flashover-proof cable

SAVOX® T-M/T-C
throat microphone/speaker unit

Throat band

Microphone

Speaker

User data

- comfortable and sensitive throat microphone
- for high-noise environments and under protective suits
- quick-release connector
- flexible, washable neck band
- adapts to all SAVOX PTT units

TECHNICAL DATA

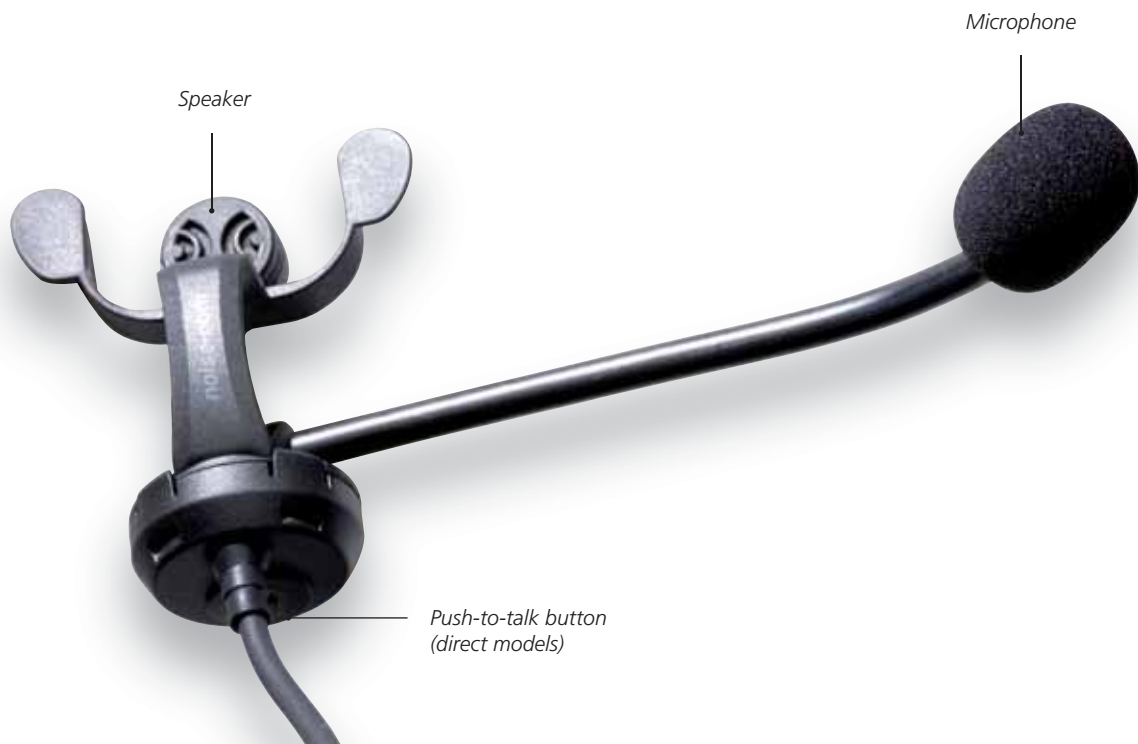|	
Weight	90 g
Microphone	vibration-sensitive, impedance 3500/300 ohm @ 1 kHz
Noise cancellation	30 dB
Speaker impedance	T-C/800 ohm, T-M/35 ohm
Speaker/ mic cable	Ø 2.5 mm, 290 mm/195 mm (PVC/PUR)
Cable	coiled, Ø 4 mm, 380 mm, PUR
Connector	4-pole quick-release connector
Operation temperature	-25 to +63 °C (continuous)

OPTIONS

- acoustic tube speaker

SAVOX® N-C
noise-com unit

User data

- boom microphone
- for high-noise environments
- fits all regular ear protectors thanks to an ingenious attachment system
- quick-release connector
- adapts to all SAVOX PTT units

Speaker

Microphone

Push-to-talk button (direct models)

TECHNICAL DATA	
Weight	81 g
Size	70 x 175 mm
Directivity	noise-cancelling
Mic impedance	2500 ohm @ 1 kHz
Speaker impedance	360 ohm @ 1kHz (±15%)
Cable	coiled, Ø 4 mm, 270 mm, PUR, flame-retardant
Connector	SAVOX® NC Direct according to radio/phone
Operation temperature	-25 to +63 °C (continuous)
Humidity	95% RH, +63 °C for 500 hours

OPTIONS

- direct models with VOX function (radio model related feature)

Microphone

Speaker bag

User data

- flexible boom microphone
- all-round mounting system
- quick-release connector
- fits all types of headgear
- adapts to all SAVOX PTT units
- replaceable hygienic windshield

TECHNICAL DATA

Weight	25 g
Microphone output	2,2 kohm @ 1 kHz, noise-canceling, adjustable boom
Cable	Ø 4 mm, 270 mm, coiled
Speaker bag for integral helmets	included
Holder for headband mounting	included
Operation temperature	-25 to +63 °C (continuous)

OPTIONS

- headband
- version with twin speakers

SAVOX®
ultra-light headsets

SAVOX® E-C speaker unit

User data
- for surveillance and police tasks
- adaptable to both ears
- adapts to all SAVOX PTT units

TECHNICAL DATA

Weight	20 g
Microphone	vibration sensitive
Speaker impedance	according to application
Cable	Ø 2 mm/760 mm
Connector	4-pole quick release plug
Operation temperature	-25 to +63 °C (continuous)
Supply voltage	2,5–10,0 VDC
ESD, EMI immunity	conforms to EN 301 489-1

OPTIONS
- direct models with in-line PTT

SAVOX® G-C ultra-light hands-free ear set

User data
- for surveillance and police tasks
- quick-release connector
- comfortable to wear during sustained operations
- adaptable to both ears
- no blocking of ambient sounds
- light, yet robust
- adapts to all SAVOX PTT units

TECHNICAL DATA

Weight	10 g (excluding push-to-talk/switch unit)
Size	12 x 42 x 100 mm
Microphone	electret, according to application/device

OPTIONS
- direct models with in-line PTT

SAVOX® L-C behind-the-neck headset

IP67

User data
- electret condenser microphone
- windscreen
- ear cushion
- adapts to all SAVOX PTT units

TECHNICAL DATA

Frequency range	100 Hz to 2.5 kHz
Gooseneck	Ø 4 mm
Cable	Ø 3.6 mm
Ingress protection	IP 67

Behind-the-neck headset

User data
- electret condenser microphone
- windscreen
- adapts to all SAVOX PTT units

TECHNICAL DATA

Frequency range	100 Hz to 2.5 kHz
Gooseneck	Ø 2.5 mm
Cable	Ø 2 mm

Vigilite
– the adaptable and affordable solution

Vigilite by SAVOX is a new, versatile product series of affordable communication devices for industry, security and police professionals. Vigilite is the answer when you need a reliable solution for your communications at a favourable price.

Highly compatible, Vigilite products can be easily combined to fit the user's needs. The product series offers three alternative solutions that enable you to take full advantage of two-way radios:

- Direct models – headsets connected directly to the radio

- Push-to-talk units or adapter cables used to connect headsets to the radio

- Speaker microphones that can be used with or without a headset

Please, visit our website: www.vigilite.com

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