

EPOS

EPOS Critical Communications

COMMAND
Always in control

Controlling invisible highways in the sky

Way above our heads is a dynamic network of flights constantly in motion, all kept under meticulous control by ATC professionals. These invisible highways demand a quality of communication in a class of its own.

The dynamic working environment in control towers presents very real challenges. Air Traffic Controllers are in constant contact with a number of aircraft assigned to them and require highly tuned skill sets to ensure accurate navigation instructions 100% of the time. To facilitate these decisions and secure the safety of global air traffic, EPOS delivers a range of premium headsets designed to provide an outstanding communication experience on both sides of the call. With high-quality, noise-cancelling microphones that focus on the nuances of the human voice and filter out unwanted background noise, EPOS keeps ATC professionals performing to the best of their abilities every time.

Build your customized solution at:
eposaudio.com/command

Global Partnerships

ANSP Partners

AAI – India	DSNA – DGAC	MATS
AirServices – Australia	EuroControl	NASA
Airways – New Zeland	FABEC	NATS
Albcontrol	Fintraffic	NAV Canada
ARINC	Fraport	NAV Portugal
ATNS	GANS – UAE	NORAD
AVINOR	HungaroControl	RCAF
BAHNSA	IAA	ROMATSA
BULATSA	ISAVIA	SERCO
CAAM – Malaysia	JCAA – Jamaica	Skeyes
CAAS Singapore	LFV	Skyguide
CAD – Hong Kong	LPS – SR	SMATSA
CANI	LVN	UAE
DHMI – Turkey	LVNL	USAF

VCCS OEM Partners

ADACEL	Indra – NAVIA	Raytheon
Collins Aerospace ARINC	Indra – Park Air	Rohde & Schwarz/Topex
Compunetix	Jotron	SAAB
Copperchase	L3Harris	Selex – Leonardo
DRS Technologies	Leidos	SITTI
Entry Point North	Lockheed-Martin	ST Engineering
e-Sigma	MEP	Thales
Frequentis	MicroNAV	UFA
General Dynamics	Orion	

Professional performance

The International Air Traffic Control network is one of the most reliable, successful and safe organizations in the world. The people who are at the core of this system are highly trained professionals on duty in Airport Towers and Air Traffic Control (ATC) Centers every day, making flight safety something that can almost be taken for granted.

EPOS supports the safe performance of these professionals with state-of-the-art communication technology. Our line of COMMAND headsets is lighter than ever and offers a more comfortable fit even during long hours of operation.



COMMAND 330 ATC/C3 AG

All-day comfort and clear sound

Single-sided, in-ear passive attenuation headset for ATC and C3 operators. Delivers premium acoustics through an earbud transducer and clear voice transmission via a noise-cancelling microphone. Lightweight design allows all-day use without wearing fatigue.

Get a secure and comfortable fit with a soft pliable ear hook and exchangeable silicon tips in different sizes. Can be pre-configured to work seamlessly with your existing EPOS push-to-talk unit.

See more at

eposaudio.com/products/command-330

Key benefits & features

Premium acoustics with EPOS ActiveGard™

In-ear transducer transmits audio with passive attenuation for improved acoustics. EPOS ActiveGard™ prevents acoustic shock.

Clear voice transmission via a noise-canceling microphone

Directional noise-canceling microphone tuned for optimal voice pickup ensures transmission clarity and speech intelligibility.

Premium all-day comfort with a lightweight design

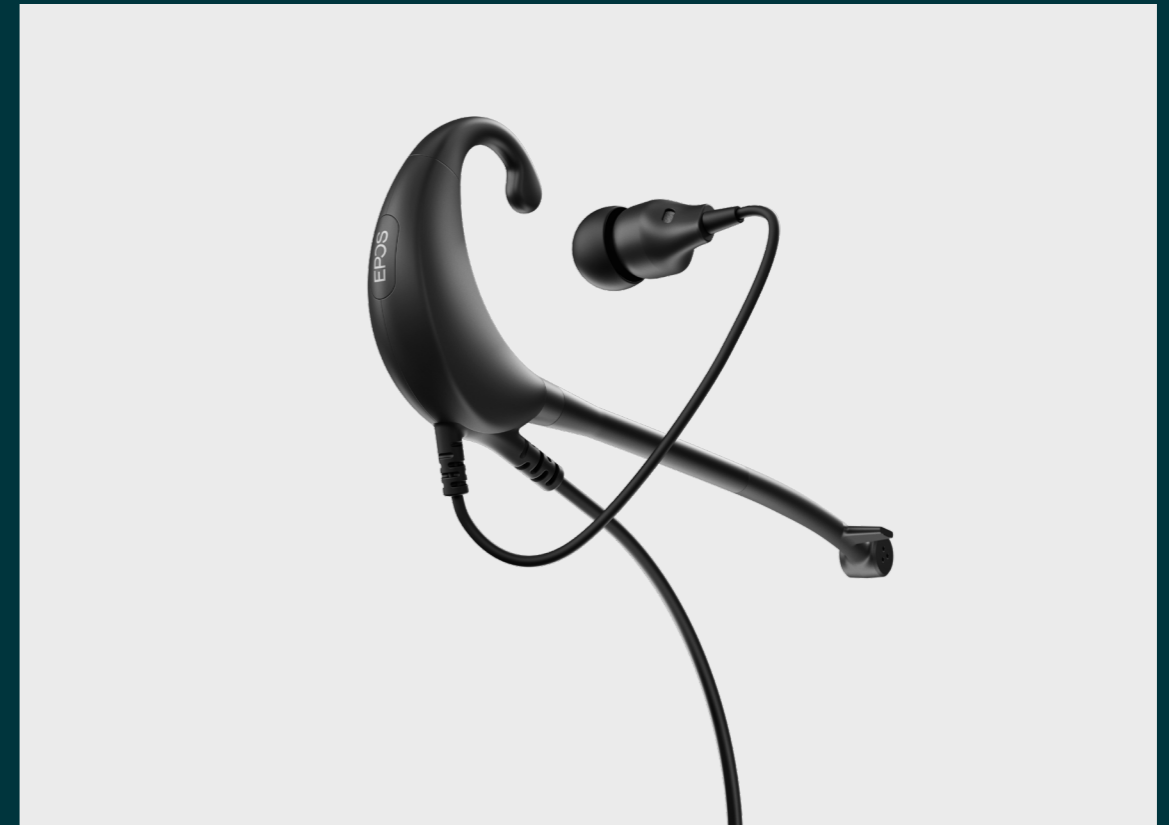
Lightweight construction reduces wearing fatigue while a soft earhook and exchangeable silicone tips ensure great comfort and fit.

Robust design with a positive lock

Durable boom arm can flex without breaking and a positive lock keeps the solid 6-pin metal interconnector securely in place.

Made-to-order customizability for EPOS PTTs

The bottom cable can be pre-configured to work with any EPOS push-to-talk unit for flexible use with existing equipment.



330 ATC/C3 AG

COMMAND 46 Series

Focused and in control

Ensure consistent, reliable communication and all-day comfort with a lightweight headset designed to keep you in complete control in demanding sound environments. The noise-cancelling microphone filters out background noise and delivers optimal speech clarity perfect for ATC and C3 use.

Your comfort is prioritized with a patented design for a personalized fit. Stay aware of your surroundings with a flip away headphone for single-sided listening. Customize further with a flexible microphone boom that allows for left or right sided use. Protect your hearing from sudden sound bursts on the line with EPOS ActiveGard™ – a unique technology that protects while preventing communication drop-out. With the possibility of multi-channel communication, this headset delivers consistent operational excellence and guarantees your optimal performance.

See more at eposaudio.com/command-hmx46

Key benefits & features

Consistent communication with EPOS Voice™ technology

Voice enhancing technology with a noise-cancelling microphone delivers perfect voice transmission and reception for listeners

Exceptional all-day comfort

Extremely lightweight design consists of patented two-piece split headband and soft, acoustic foam ear pads

Supreme compatibility with all ATC and C3 applications

Works for every application with a choice of electret/dynamic microphone, and single-sided or double-sided ear cup model

Multitask with two channel stereo application

Enabling multi-channel communication so you can switch between different calls

Protect your hearing with EPOS ActiveGard™

Guards against acoustic injury caused by sudden tone bursts on the line without risk of communication drop-out



HME 46-II



HMD 46-II

COMMAND 600 Series

Demand clarity and durability

Unleash your potential with a headset that stands up to the daily demands of ATC/C3 working environments. EPOS Voice™ ensures excellent communication with an ultra noise-cancelling microphone – guaranteeing commands come through loud and clear.

The series delivers extreme durability for your reliable performance; its premium quality build, with steel reinforcement at vulnerable speaker joints, ensures a robust solution and the adjustable headband and leatherette ear pads maximize comfort. EPOS ActiveGard™ protects your hearing, with no risk of communication drop-out, and you can switch between air and land-based communications as your work requires. With excellent communication clarity and durability, this is an audio solution that lets you take control when it counts.

See more at eposaudio.com/command-sc600

Key benefits & features

Excellent communication with EPOS Voice™ technology

Voice enhancing technology with ultra noise-cancelling microphone for excellent voice transmission and reception

Protect your hearing with EPOS ActiveGard™

Guards against acoustic injury without risk of communication drop-out

Benefit from multi-channel communication

With two channel application for air and land-based communication on SC 660 ATC/C3 AG

Extreme durability you can rely on

With stainless steel hinge on speaker joints which lasts for the long term

Exceptional comfort throughout your shift

With fully adjustable headband and generous leatherette ear pads made to maximize comfort



SC 660 ATC/C3 AG



SC 630 ATC/C3 AG

COMMAND 200 Series

In control and present

Ensure flawless communication and assertive decisions with absolute call clarity. Meet the challenges of ATC/C3 situations with robust, lightweight headsets – either single or double-sided – for all-day comfort and protection from acoustic injury.

Being heard clearly is guaranteed through EPOS Voice™ technology with a noise-cancelling microphone for perfect voice transmission. The truly premium audio experience of this headset means ATC and C3 operators can perform with reliable excellence. Choose a single-sided headset for situational awareness when surrounding conversations are essential to maintain control. A fully adjustable metal, reinforced headband and soft leatherette ear pads ensure a perfect fit – so you can stay focused on the task at hand.

See more at eposaudio.com/command-sc200

Key benefits & features

Consistent communication with EPOS Voice™ technology

Voice enhancing technology with noise-cancelling microphone delivers clear voice transmission and reception for listeners

Protect your hearing with EPOS ActiveGard™

Guards against acoustic injury caused by sudden sound bursts on the line without risk of communication drop-out

Multitask with two channel stereo application

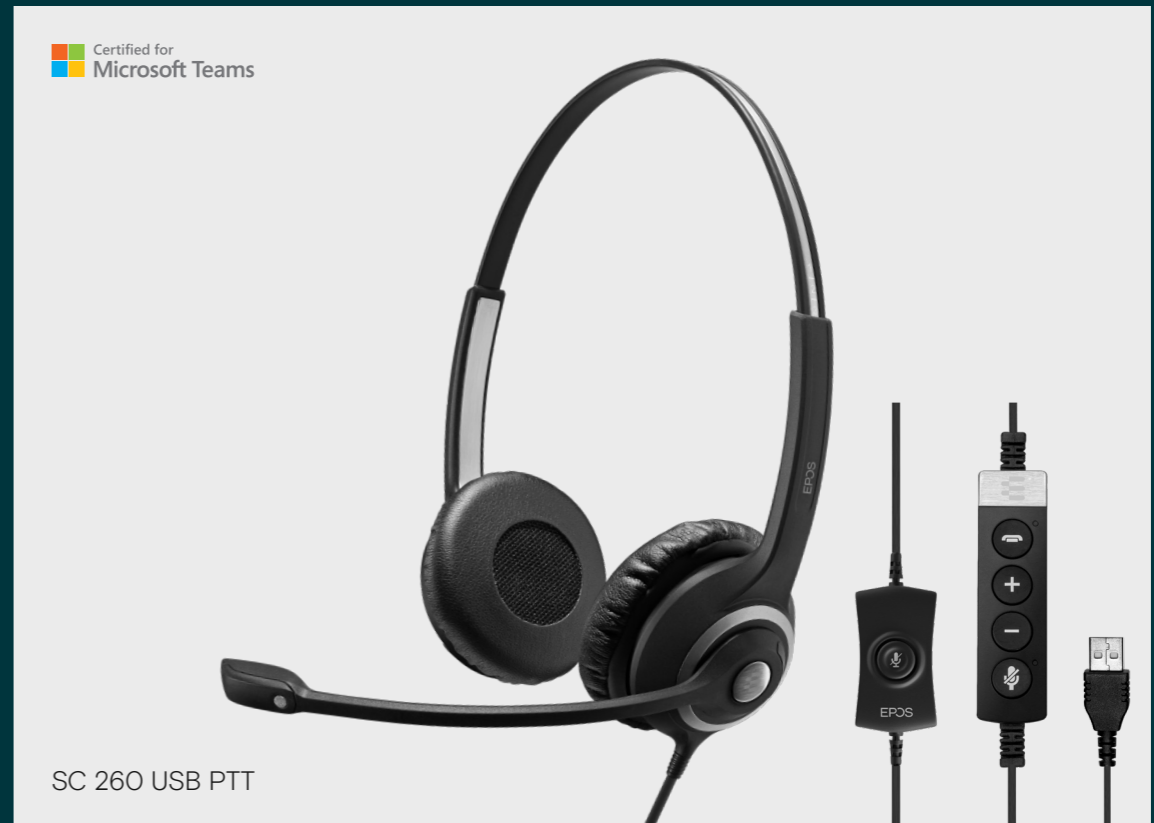
Enabling multi-channel communication when switching between air and land-based calls on SC 260 ATC/C3 AG

All-day comfort and robust build

Made from high-quality materials, the CircleFlex™ dual-hinge ear cup system and adjustable headband create a perfect fit

Choose your wearing style

With a flexible microphone boom arm worn on either the left or right side



COMMAND 27 Series

Take control

Boost concentration in the control room with a comfortable, premium headset that delivers uncompromising communication and situational awareness. The noise-cancelling microphone reduces ambient noise to improve speech intelligibility for your listener. Meaning you can be heard even in noisy, dynamic working environments.

Your focus is further optimized through soft over-the-ear ear cups providing high passive attenuation. Lasting comfort during your shift is guaranteed with a lightweight design and a split two-piece headband that alleviates pressure to the top of the head. Work your way and personalize your headset with a choice of left or right boom microphone positioning. With excellent audio capability, noise dampening and a flip away ear cup on double-sided headsets, you can stay in control of the demanding ATC and C3 environment.

See more at eposaudio.com/command-hmx27

Key benefits & features

Uncompromising communication with Voice Clarity

Voice enhancing technology with noise-canceling microphone delivers excellent voice transmission and reception for listeners

Two channel stereo mode

Makes it possible to use one channel for radio communications and one for telephone communications on dual sided headset

Protect your hearing with ActiveGard™

Guards against acoustic injury caused by sudden sound bursts on the line without risk of communication drop-out

Stay aware of your environment on calls

Enjoy single-sided listening with flip away ear cup on double-sided headset

All-day comfort and robust build

Superb wearing comfort with patented two-piece automatic headband and soft circumaural ear pads



HME 27 Series



HMD 27 Series

COMMAND 110 Series

Stay focused

When the pressure is on in control tower and C3 environments, choose a noise reducing headset with great call clarity to guarantee your performance. Closed ear cups provide excellent passive attenuation in particularly noisy spaces.

A noise-cancelling microphone ensures excellent speech transmission and can be adjusted to fit the requirements of your workplace. The soft ear pads and cushioned headband deliver long-wearing comfort so you can focus on what you do best. For dual communication switch from mono to stereo and enjoy integrated volume control on the head cup. The microphone can easily be repositioned to the left or right side via a flexible boom arm and includes a quick-fix feature for accurate placement. During tough shift work when every command counts, this is a headset that helps you make consistently reliable decisions.

See more at eposaudio.com/command-hme110

Key benefits & features

Clear communication with Voice Clarity

Voice enhancing technology with ultra noise-canceling microphone for excellent voice transmission and reception on calls

Stay focused with noise reduction

Closed ear cups offer passive attenuation up to 40 dB

Control volume easily

With built in volume control on ear cup that can be disabled if necessary

Choose your wearing style

With a flexible microphone boom arm worn on either the left or right

Dual communication sources

Choose mono or stereo with simple switching between two communication sources



HME 110

EPOS Voice™ technology



The natural listening experience

For the best possible communication between the Air Traffic controller and the Pilot Cockpit, EPOS Voice™ technology, uniquely enhances the most important frequencies and details of the human voice.

The sound for the Air Traffic controller is crisper and clearer, allowing them to hear the nuances contained in spoken conversation. For the pilot in the cockpit, the Air Traffic

Controller using a COMMMAND headset with noise-cancelling microphone, hears the clearest voice signal, which maximizes speech intelligibility and significantly reduces "Call Back-Read Backs". In combination, this results in better, more natural sounding communications where no important details are lost and this adds to the safety factor.

EPOS ActiveGard™ technology



Please be warned that the sound without EPOS ActiveGard™ can be extremely high. We recommend the volume should be set low when playing.

Hearing protection

During the course of a day, Air Traffic Controllers may be exposed to seldom, but hazardous incoming noises that can be dangerous to hearing. Technically referred to as a sound burst, this can potentially cause long-lasting damage to the human ear. To safeguard users, all COMMMAND headsets for Air Traffic Control (ATC) are equipped with innovative EPOS ActiveGard™ technology.

Required by EC directive

As long as ATC operators continuously use headsets without EPOS ActiveGard™,

unexpected noise peaks can lead to irreversible consequences, from headaches and tinnitus problems to acoustic shocks or even total hearing loss. For that reason, the current EU directives regarding workplace security prescribe the protection of employees from acoustic shock.

Required by FAA

The Federal Aviation Administration (FAA) also requires using hearing protection for controllers if the noise level is reaches certain limits.



PTT Series	PTT 50 Series	PTT 40 Series	PTT 30 Series	PTT 20 Series
Analogue	•	•	•	•
Mic pre-amp	•	•	•	•
USB	•	•		•
Mini-XLR socket	•	•	•	•
PTT lock	•			•

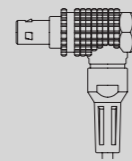
Connectors

The following connector types are available as a standard configuration. EPOS is able to customize cable assemblies and connector types to customer specification.

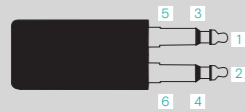
7/8/10-pin round plug straight



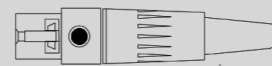
7/8/10-pin round plug angled



PJ 07



6-pin Mini XLR



Available on request on different wiring configurations.

For information about connector and cable configurations, see our separate [“Cable Guide”](#).

	Art. no.	SC 230 / SC 260 Series	SC 630 / SC 660 Series	HME / HMD 46 Series	HME / HMD 27 Series	HME 110 Series
Carry Case 05	1000884	•	•	•	•	–
Nylon carry pouch CB 01	1000786	[•]	[•]	–	–	–
Cable clip HZC 08 (for round cable)	1001117	–	–	[•]	[•]	[•]
Ear pads, 100 pairs	587972	–	–	•	–	–
HZP 31 SC 200 Leatherette Earpads for SC 200	1000791	•	–	–	–	–
HZP 34 Leather Earpad SC 600 L, 2pcs	1000792	–	•	–	–	–
Windshield aussen-100 PCS-RD20 BKE 46 Windscreen 100 pcsw	578855	–	–	[•] / –	[•] / –	–
Windscreen For HMD series HS	543656	–	–	– / [•]	– / [•]	–
Spare Mic foam, DW20/D30	1000710	[•]	[•]	–	–	–
MZW45	092804	–	–	–	–	[•]
HZH 200 - 50PCS Hygiene pads COMMAND 200/600	502194	–	–	•	–	–
HMS 26-2 Headband padding, 2pcs	550262	–	–	•	•	–
Earpads (1 pair) For HME/D 27	573600	[•]	–	–	•	–

[•] Included in the delivery
 • Available as an accessory
 – Not suitable for this headset

COMMAND

Headsets overview



	COMMAND HME 27 ATC/C3 300 Ω	COMMAND HMD 27 w. std. boom	COMMAND HMD 27 ATC/C3 w/o AG	COMMAND HMD 27 ATC/C3 w. 5 ohm Mic	COMMAND HMD 27 ATC/C3 5 ohm w/o AG	COMMAND HME 27 S ATC/C3
Art. no.	507276	507277	508326	507278	508325	508327
Headphone						
Transducer	Electret, closed supra-aural	dynamic, closed supra-aural	dynamic, closed supra-aural	dynamic, closed supra-aural	dynamic, closed supra-aural	Electret, closed supra-aural
Frequency response	8 – 18,000 Hz	8 – 18,000 Hz	8 – 18,000 Hz	8 – 18,000 Hz	8 – 18,000 Hz	8 – 18,000 Hz
Impedance	300 Ω	300 Ω	300 Ω	300 Ω	300 Ω	300 Ω
Sound pressure level (SPL)	100±3 dB, 1V, 1kHz 95±3 dB, 1mW, 1kHz	100±3 dB, 1V, 1kHz 95±3 dB, 1mW, 1kHz	100±3 dB, 1V, 1kHz 95±3 dB, 1mW, 1kHz	100±3 dB, 1V, 1kHz 95±3 dB, 1mW, 1kHz	100±3 dB, 1V, 1kHz 95±3 dB, 1mW, 1kHz	100±3 dB, 1V, 1kHz 95±3 dB, 1mW, 1kHz
Distortion	< 1% at 100 dB SPL	< 1% at 100 dB SPL	< 1% at 100 dB SPL	< 1% at 100 dB SPL	< 1% at 100 dB SPL	< 1% at 100 dB SPL
Contact pressure	3.3 N	3.3 N	3.3 N	3.3 N	3.3 N	3.3 N
Microphone						
Type	BKE 46	BMD 46-413	BMD 46-413	BMD 46-413	BMD 46-413	BKE 46
Transducer principle	Electret microphone, noise-cancelling	Dynamic microphone, noise-cancelling	Dynamic microphone, noise-cancelling	Dynamic microphone, noise-cancelling	Dynamic microphone, noise-cancelling	Electret microphone, noise-cancelling
Frequency response	100 – 6,000 Hz	100 – 12,000 Hz	100 – 12,000 Hz	100 – 12,000 Hz	100 – 12,000 Hz	100 – 6,000 Hz
Output voltage	adjustable from 17 – 100 mV/Pa	0.5 mV/Pa @ 1 kHz	0.5 mV/Pa @ 1 kHz	0.12 mV/Pa @ 1 kHz	0.12 mV/Pa @ 1 kHz	adjustable from 17 – 100 mV/Pa
Impedance	2.2 K Ω+	200 Ω	200 Ω	5 Ω	5 Ω	2.2 K Ω
Supply voltage	8-16 VDC	N/A	N/A	N/A	N/A	8-16 VDC
General						
Weight without cable	240 g / 8.47 oz	240 g / 8.47 oz	240 g / 8.47 oz	240 g / 8.47 oz	240 g / 8.47 oz	170 g / 6.00 oz
Operating temperature	-10 °C to +55 °C/ +14 °F to +131 °F	-10 °C to +55 °C/ +14 °F to +131 °F	-10 °C to +55 °C/ +14 °F to +131 °F	-10 °C to +55 °C/ +14 °F to +131 °F	-10 °C to +55 °C/ +14 °F to +131 °F	-10 °C to +55 °C/ +14 °F to +131 °F
Storage temperature	-55 °C to +70 °C/ -67 °F to +158 °F	-55 °C to +70 °C/ -67 °F to +158 °F	-55 °C to +70 °C/ -67 °F to +158 °F	-55 °C to +70 °C/ -67 °F to +158 °F	-55 °C to +70 °C/ -67 °F to +158 °F	-55 °C to +70 °C/ -67 °F to +158 °F
Connection cable	-	-	-	-	-	-
Length	-	-	-	-	-	-
Connectors	-	-	-	-	-	-

Cables and PTTs

overview

	Cable-III-6	Cable-H-6 with system plug	PTT 40 Straight	PTT 40 TCDM6BCH6	PTT 42 XLRTC6BCH6	PTT 30 L
Art. no.	1001068	502533	1000360	1000312	1000365	1000370
Connection cable	straight cable	coiled cable	straight cable	coiled cable	straight cable	straight cable
Length	1.85 m/6.07 ft	3.00 m/9.84 ft	customizable	1.80 m/6 ft	1 m /3 ft	1.80 m/6 ft
PTT	-	-	PTT 40 series	PTT 40	PTT 42	PTT 30 series
Connectors	open ended	open ended	open ended	10p straight round plug	open ended	10p straight round plug
CABLE-PTT-L						
Art. no.	500845			PTT 32 C6		PTT 22-N, 10ft
Connection cable	straight cable			coiled cable		coiled cable
Length	1.85 m/ 6.07 ft			1.85 m/6.07 ft		3.00 m/9.84 ft
PTT	PTT 30 series			PTT 32		PTT 22
Connectors	10p straight round plug 3S.310.CLA 252A			open ended		open ended
PTT 20-L, cable H10						
Art. no.	1000396					PTT 22-N, 1.8m
Connection cable	coiled cable					round cable
Length	3.00 m/9.84 ft					1.80 m/5.91 ft
PTT	PTT 20					PTT 22
Connectors	open ended					open ended

In addition to our standard cable/PPT offerings, we can offer customised solutions to meet any system scenarios, with any type of connector, cable, PTT combination that is required for any type of VCCS or high performance VHF and UHF Radio system.

Service and Support

We've got you covered

Warranty/Repairs

All COMMAND headsets come with a standard two-year international warranty. Following the expiration of the warranty period, we provide options for flat rate repairs, an annual maintenance contract, or a combination of both. Our comprehensive headset repair service includes cleaning the headset, refreshing the ear pads, and conducting a complete operational check before returning it to the customer. We strive to ensure a quick turnaround time, although this may vary depending on the customer's geographic location.

Support

EPOS Support aims at providing a premium customer experience to all customers, throughout the world. Support is provided by phone, e-mail, ticket and live chat (UK only) and is available during European and UK normal working hours.

Special requirements

The EPOS COMMAND team offers specially made customer solutions such as customized connectors and cables. Furthermore, we continuously develop our products to meet the special requirements of air traffic control operations worldwide.

See more at eposaudio.com/command

THE POWER OF AUDIO

EPOS

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