

# Univox® GoTalk

## Two-way Communication Radio System

User manual



LET'S **GO!**

 **univox**

## Introduction

Dear Customer,

We would like to take this opportunity to say thank you for choosing Univox and for your support in our ongoing mission to bring affordable, high-quality products to market, something we've been doing since 1965. We hope that this system will serve you well for many years to come.

As part of Univox's long-term goals, we continuously strive to innovate new products and improve existing ones. We always keep you, the customer and end-user, in mind when designing new products, and we work tirelessly for accessibility and equality. Everyone should hear everything!

To get in contact with your local distributor, please visit [univox.eu](http://univox.eu). If you'd rather get in touch with us directly, you can do so at:

Phone: [+46 8 767 18 18](tel:+4687671818)

Email: [support@edin.se](mailto:support@edin.se)

Thank you, and enjoy the experience of perfect audio!

*Sincerely,*

*Mattias Arrhenius, Managing Director, and the team at Univox*



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# Important Safety Instructions

Read the following information before you use your GoTour system.

## GENERAL INFORMATION

1. Read these safety instructions and the instruction manual of the product.
2. Store and keep these safety instructions and the instruction manual of the product. Always include all instructions when passing the product on to third parties.
3. Heed all warnings.
4. Follow all instructions.
5. Do not expose to direct sunlight for long periods of time.
6. Do not store near any heat sources such as radiators, heat registers, stoves, or other apparatus that produce heat.
7. Refer all service to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, exposed to rain or moisture, does not operate normally, or has been dropped.

## CAUTION

### HEARING SAFETY

This product is designed to amplify audio to a high volume level, which could potentially cause hearing damage if used improperly. To protect your hearing, make sure the volume is turned down before putting on the headset. Then, adjust the volume up to the minimum setting required to hear clearly. Do not allow children or other unauthorized individuals to have access to this product without supervision.

## CAUTION

### MEDICAL DEVICE SAFETY

Before using this Univox product with an implantable or other medical device, consult your physician or the manufacturer of your implantable or other medical device. Always make sure you are using this product in accordance with the safety guidelines established by your physician or the implantable device manufacturer.

## WARNING

### SAFETY INSTRUCTIONS FOR LITHIUM-ION BATTERY

These products uses a Lithium-Ion battery: 3.7 V, 1300 mAh. Use only the battery that comes with your device or replacement batteries designed for use in this device. Do not dismantle, open, or shred secondary cells or batteries. Do not expose cells or batteries to heat, open flame, or water. Avoid storage in direct sunlight. Do not use any charger other than that specifically provided for use with the equipment. Defective or exhausted batteries should never be disposed of as municipal waste. Return old batteries to the battery supplier, a licensed battery dealer, or a designated collection facility. Do not incinerate batteries. Do not replace the batteries in potentially explosive environments, such as rooms where flammable liquids or gases are present. Lithium batteries have limited lifetimes. Any Lithium battery that shows any signs of damage, including swelling, should be properly discarded immediately.

Do:

- Fully charge the device before first use.
- Recharge when the battery capacity is below 50%.
- Make sure that the battery capacity is above 50% before long-term storage. Charge the device every 3 months.
- Stop using the device if it is overheating or if abnormal battery function is suspected. Contact your supplier for further inspection or replace the battery.

# GoTalk Components

GoTalk refers to the complete system, which comprises different GoTalk components.

## TRANSCEIVERS

There are 3 types of transceivers in the GoTalk System. A transceiver is a device that can both transmit and receive signals. The 3 transceivers are: the GTA-T1 Leader unit, the GTA-T2 Sub-Leader unit, and the GTA-R Participant unit. A system must include one GTA-T1 Leader unit and any number of GTA-R Participant units, GTA-T2 Sub-Leader units, or a combination of both. The GoTalk transceivers are currently available in 863 MHz and 915/928 MHz frequencies. The 928 MHz version is primarily intended for use in Australia and New Zealand, and only the GTA-T1 Leader unit is available in this version. For the GTA-T1 and GTA-R units, the 915 MHz version is used. Please note that the 863 MHz and 915/928 MHz versions are not compatible with each other.

## CHARGING OPTIONS

There are 4 options for charging your GoTalk transceivers. Two trays are available: the GTA-CT6 with 6 slots and the GTA-CT12 with 12 slots. These trays are designed to sit on a counter or table, providing fast and easy access to your system. For smaller systems, there is the GTA-CU4, a 4-port USB wall charger that allows you to charge up to 4 units simultaneously. The final option is the GTA-CC24, a 24-slot charging case that charges, stores, and transports your system.

## ACCESSORIES

We offer a variety of headsets, headphones, and ear speakers. Additionally, a pouch is available for carrying the transceiver on your body, offering an alternative to the supplied lanyard.

### LIST OF ACCESSORIES AND DESCRIPTION

GTA-HP1	Standard universal headphones with 3.5 mm plug (TRS)
EM-101	Standard universal earspeaker with 3.5 mm plug (TRS)
GTA-HS1	Mono earspeaker boom microphone with 3.5 mm plug (TRRS)
GTA-HS2	Mono headset with noise cancelling boom microphone, 3.5 mm plug (TRRS)
GTA-HS3	Stereo headset with noise cancelling boom microphone, 3.5 mm plug (TRRS)
GTA-HS4	Protective headset with noise-canceling microphone, 3.5 mm plug (TRRS) – Coming soon
GTA-HS5	Protective Headset with mounting bracket for hard hats, 3.5 mm plug (TRRS) – Coming soon
GTA-AP	Armpouch to wear a transceiver on your arm.
GTA-BAT	Replacement battery for GoTalk Transceivers.
GTA-YS	Y-split cable that enables use of a neck loop and microphone together.

**Note:** The GoTalk Transceivers are compatible with standard smartphone headsets.

# GoTalk Definitions

## GOTALK SYSTEM

A general description of an entire system consisting of any number of transceivers.

## PAIRING

The process of establishing a link between the Leader and any number of Participant or Sub-Leader units, or a combination of both, in a GoTalk system. This process is initiated by the Leader unit.

## LEADER, SUB-LEADER AND PARTICIPANT

These terms describe the functions of the three different types of transceivers in a GoTalk system. A group must have one Leader unit. The GoTalk system may include any number of Participant or Sub-Leader units, or a combination of both, as needed. Please note that a GoTalk system may only contain one Leader unit.

## GOTALK SECURITY

The GoTalk system's data transmission is protected by proprietary encoding. The encoding key is generated by the Leader unit and passed to other units during the pairing process. The sharing of the encoding key can be revoked by disbanding and unpairing the group from the Leader unit. This encoding ensures secure transmission within each group. For detailed instructions on pairing, see page 9.

## GoTalk Unit Overview

### GTA-T1 LEADER / GTA-T2 SUB-LEADER

The GTA-T1 and GTA-T2 appear identical in layout. The GTA-T1 Leader unit is red, while the GTA-T2 is black. This color difference is the primary way to distinguish between them. Additionally, the display indicates their roles: "L" for Leader and "S" for Sub-Leader.

Both the GTA-T1 and GTA-T2 have dedicated talk paths, meaning they can always broadcast.

**Note:** When the Talkback Function is toggled off by the Leader unit, the Participant talk path becomes available to the Sub-Leaders, allowing up to two Sub-Leaders to transmit simultaneously.

**Note:** Remove the protective plastic film from the display.



### GOTALK GTA-R PARTICIPANT

The GTA-R is the Participant unit, easily distinguishable with its bright yellow color and short antenna. The third talk path is shared between all Participant units.

**Note:** Remove the protective plastic film from the display.





# GoTalk Functionality

## COMPATIBLE HEADSETS




The headset jacks on the GoTalk GTA-T1, GTA-T2, and GTA-R are standard 3.5 mm CTIA-compatible TRRS jacks. These units are hearing aid compatible (HAC), allowing a neck loop to be connected and function properly with the unit, ensuring accessibility for hearing aid users equipped with a T-coil. To maintain two-way communication using a neck loop, a GTA-YS Y-split cable is required to separate the microphone and headphone functions of the TRRS jack. Any standard CTIA-compatible smartphone headset may be used with the unit.

## CHANGING SETTINGS





To enter the settings, simultaneously press and hold the Function button  and Volume Up  on either the GTA-T1 Leader or GTA-T2 Sub-Leader unit for 3 seconds. The selected microphone gain option will blink rapidly. While in settings, the LED indicator and the indicator light of the Talk Button will turn off.

### GTA-T1 LEADER UNIT

#### Microphone Gain

Enter settings as described above. Using the Volume Up  and Volume Down buttons , select between Standard (STD) and High (HI). To exit settings, press the Function button  twice. The LED Indicator will flash blue, and the unit will resume normal operations.

#### Toggle Talkback On and Off

Enter settings as described above. Press the Function button  to switch from the mic gain setting to the Talkback setting. Use the Volume Up  and Volume Down  buttons to select ON or OFF. To exit settings, press the Function button  once. The indicator LED will flash blue, and the unit will resume normal operations.




**Note:** When entering settings on the GTA-T1 Leader unit, the system will briefly halt operations while the settings are being changed. Once a selection has been made and the settings menu is exited, normal operation will resume.

**Note:** When the Talkback Function is toggled off by the Leader unit, the Participant talk path becomes available to the Sub-Leaders, allowing up to two Sub-Leaders to transmit simultaneously.

**Note:** Only Participants are affected by toggling Talkback on or off. The Leader and Sub-Leaders can always transmit if a talk path is free and available.

### GTA-T2 SUB-LEADER UNIT

#### Microphone Gain

Enter settings as described above. Using the Volume Up  and Volume Down buttons , select between Standard (STD) and High (HI). To exit settings, press Function  once. The LED Indicator will light up, and the unit will resume normal operations.

## SIDETONE

The GTA-T1 Leader unit, GTA-T2 Sub-Leader unit and GTA-R Participant unit produces a sidetone. The sidetone is designed to aide the user to hear their own voice when speaking. The sidetone is a fixed value equal to 20% of the selected volume. The sidetone cannot be turned off.

## BUSY TONE

Participants or Sub-Leaders will be notified that no talk paths are available by a ringing sound played in their headset when they press the Talk Button. Additionally, this is indicated by the backlight of the Talk Button turning off.

## TALK BUTTON

The operation of the Talk Button on the GTA-T1 Leader unit and GTA-T2 Sub-Leader unit differs from that of the GTA-R Participant unit. The GoTalk system provides three talk paths: one dedicated to the GTA-T1 Leader unit, one shared between all GTA-T2 Sub-Leaders, and one shared between all GTA-R Participants.

**Note:** With Talkback turned off, Sub-Leaders temporarily make use of the freed up talk path of the Participants, allowing for up to two Sub-Leaders to broadcast simultaneously.

On the GTA-T1 and GTA-T2 units, the Talk Button functions as a press-to-talk button, essentially muting and unmuting the unit. The user only needs to press the button to toggle between these options.

On the GTA-R, the Talk Button functions as a push-to-talk button, meaning the user must hold the button down while speaking. Releasing the button mutes the unit and frees up the shared talk path for other Participants to use.

## Talk Button back light indication



### Blue – Transmitting

The unit is actively broadcasting



### Red – Muted/Transmit available

The unit is muted but a talk path is available for use



### Off – Not available/Talk path occupied

Either the Talkback Function is toggled off, or the talk path is currently being used by another unit

**Note:** The GTA-T1 Leader unit can always transmit, and the Sub-Leaders share a dedicated talk path among themselves. Similarly, all GTA-R Participants share a dedicated talk path. GTA-R units will be muted if the Talkback Function is off or if another GTA-R unit is transmitting.

## BATTERY INDICATOR

The battery indicator shows how much power is remaining in the battery.



Green – 70-100%

Green – 40-70%

Yellow – 10-40%

Red – <10%

**Note:** If the battery indicator status LED is red, the device needs charging. Place the device in the GTA-CT6 or GTA-CT12 Charging Tray, or in the GTA-CC24 Charging Case to charge. You may also charge the device using the GTA-CU4 Wall Charger.

The GoTalk transceivers require 5V, 1A, and are rated at 650 mA. The units need 4 hours to fully charge from a discharged state. Typical battery life is 15-20 hours, but it may vary depending on environmental factors and heavy use. Please consult the Battery Safety section at the beginning of this user guide for instructions on how to care for your battery.

Lithium-ion batteries typically last for 1000 cycles or 3 years before they begin to degrade. To maintain battery life, service and replace the battery of your unit after this period.

You may also charge your device on-the-go using a power bank.

## STATUS INDICATOR

The status indicator tells you any number of things.

Status while charging			
	GTA-T1 Leader	GTA-T2 Sub-Leader	GTA-R Participant
Blue	Fully Charged	Fully Charged	Fully Charged
Red	Charging	Charging	Charging

Status while operating			
	GTA-T1 Leader	GTA-T2 Sub-Leader	GTA-R Participant
Steady Blue	Device is on	Device is on and paired in a group	
Flashing Blue	N/A	Device is on but not paired in a group	
Blinking Blue	Pairing mode or searching for free channel	Device is on but out of range of the Leader	
Off	Device is off or in settings mode		Device is off



## AUTO POWER OFF

The GoTalk system has an auto power off function. The units will turn themselves off if no transmission is made within 30 minutes or after 5 minutes if either a GTA-T2 Sub-Leader or GTA-R Participant unit is out of range of the group Leader.

### Auto Power Off Group

Upon powering off the GTA-T1 Leader unit, all other paired and turned-on units will be powered down. If turned off accidentally, all units must be manually turned on. The GoTalk system will maintain the pairing.




### Powering On and Off the Device

Power on your device by pressing Power  for 2 seconds. Turn off your device by pressing Power  for 3 seconds.

## CREATING A GROUP AND PAIRING

Creating a group and pairing a Sub-Leader and Participants is easy. Remember that in order for a GoTalk system to function, a GTA-T1 Leader unit must be used.

Follow these steps to create a group and pair any number of devices:

1. Connect the headsets to their respective devices before proceeding.
2. Power on the Leader unit by pressing and holding Power  for 2 seconds.
3. With the Leader unit powered on, enter pairing mode by pressing Function  for 3 seconds. The status LED will start flashing blue, indicating the Leader is in pairing mode.
4. In proximity to the Leader unit, power on any number of Sub-Leader and Participant units. The paired unit's status LED will flash and then turn solid when the pairing is completed.
5. Press the Leader unit's Function button  to exit pairing mode.
6. To add more units mid-tour, simply repeat steps 2-4.

**Note:** Only the Leader unit may add units to the group. The Sub-Leader does not have that functionality.

## UNPAIR DEVICE



To unpair a GTA-T2 or GTA-R from a group:

With the unit powered off press and hold Volume Up  and Volume Down  simultaneously.

Then press Power  for 3 seconds. The unit will start, and the status LED will start flashing, indicating that the unit is not connected.



## RELEASE AND DISBAND GROUP

To unpair all devices from a GTA-T1:

With the GTA-T1 powered on press and hold Function  and Power  for 3 seconds. This will unpair and power down any device currently paired and turned on. Any devices turned off while this procedure is carried out will not be affected.

## CHANGING CHANNELS

The GoTalk system has automatic channel selection feature. If you experience interference, you can initiate an automatic channel search and change channels:

On the Leader unit, press and hold Function  and Volume Down  for 3 seconds. The Leader unit will scan available channels and select an unoccupied and interference free channel. The group will automatically be moved to that channel.

**Note:** When this function is activated, the GoTalk system will temporarily be deactivated. The channel search and change are completed once the status LED stops flashing, at which point you may continue.

## HAC ENABLED

The GoTalk units are HAC (Hearing Aid Compatible) enabled and may be used by hearing aid users with a built-in telecoil together with a NL-100 Neckloop. Connect the neckloop to your unit and set your hearing aid to 'T' position.

## CHANNELS, FREQUENCY AND RANGE

The transmission range of the GoTalk system varies depending on the version you have and/or the frequency you are broadcasting on. The variation is due to the transmission power allowed for different frequency ranges and regions.

Version	Available channels	Simultaneous groups	Transmission power	Transmission range
GoTalk 863	20	12	823-832 MHz - 20 mW 863-865 MHz - 10 mW	823-832 MHz - Up to 100 m 863-865 MHz - Up to 70 m
GoTalk 915	26	8	902-928 MHz - 25 mW	902-928 MHz - Up to 90 m
GoTalk 928	13	5	915-928 MHz - 25 mW	915-928 MHz - Up to 90 m

863 version, frequency specification									
Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
1	863.500	5	827.375	9	831.125	13	823.625	17	825.625
2	864.500	6	828.875	10	827.875	14	830.625	18	826.625
3	823.125	7	825.125	11	826.125	15	824.125	19	828.375
4	831.875	8	829.375	12	830.125	16	829.875	20	831.625

915 version, frequency specification									
Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
1	902.50	7	925.50	13	924.50	19	922.50	25	916.50
2	914.50	8	912.50	14	910.50	20	906.50	26	918.50
3	927.50	9	903.50	15	926.50	21	920.50		
4	909.50	10	907.50	16	904.50	22	908.50		
5	921.50	11	915.50	17	917.50	23	923.50		
6	905.50	12	919.50	18	911.50	24	913.50		

928 version, frequency specification									
Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
1	—	7	925.50	13	924.50	19	922.50	25	916.50
2	—	8	—	14	—	20	—	26	918.50
3	927.50	9	—	15	926.50	21	920.50		
4	—	10	—	16	—	22	—		
5	921.50	11	915.50	17	917.50	23	923.50		
6	—	12	919.50	18	—	24	—		

**Note:** GoTalk uses automatic channel selection to choose an interference-free channel. For more information on changing channels manually, please see the section Changing Channels.

**Note:** The 928 version of the GTA-T1 Leader unit is compatible with the 915 version GTA-T2 Sub-Leader and GTA-R Participant units. The Leader unit is responsible for channel selection, and the 928 version operates within the frequency range of 915-928 MHz, which is intended for use in Australia and New Zealand.

# Applications

The GoTour system can be used in a variety of applications. Some applications may require special accessories to ensure a great experience. The following are common applications for the GoTalk system:

## GUIDED TOURS

Guided tours are one of the simplest applications for the GoTalk system, offering clear communication between the guide and participants. The system is versatile and can be used across a range of environments:

### REGULAR GUIDED TOURS

In quieter environments such as museums, city tours, cultural excursions, or archaeological sites, where ambient noise is minimal, the GoTalk system ensures that participants can clearly hear the guide's narration. This is especially important when the guide is sharing detailed information or stories while moving between points of interest. For these types of tours, the GoTalk system works seamlessly with lightweight headsets, allowing participants to stay engaged without the distraction of external noise. The GoTour system, designed specifically for quieter environments, is another ideal option for these types of tours, providing an excellent balance of sound quality and ease of use.

### FACTORY AND BUILDING SITE TOURS

In noisier environments, such as factories or construction sites, where heavy machinery or construction noise can interfere with communication, the GoTalk system is equally effective with the right accessories. Safety and clarity are critical in these settings, and using noise-canceling headsets ensures participants can hear important instructions clearly, even in loud environments.

For guided tours, you will need 1 Leader unit and any number of Participant and Sub-Leader units, all paired with a headset that fits your needs:

Headset 1: Ideal for quiet environments such as museums or galleries.

Headsets 2 and 3: Suitable for quiet to moderately noisy environments, offering more versatility for outdoor tours or spaces with some ambient noise.

Headsets 4 or 5: Recommended for noisy environments, such as factories or construction sites, or when protective ear coverings are required.

## ASSISTIVE LISTENING

The GoTalk system is portable and hearing aid compatible (HAC). It works with neck loops for those with T-Coil-equipped hearing aids, or with headphones for others with hearing loss.

For two-way communication, a GTA-YS Y-split cable and microphone are required. This system ensures clear hearing for everyone in need of assistive listening support.

## INTERPRETATION

The GoTalk system is highly effective for various interpretation applications:

### Simultaneous Interpretation

Real-time translation where the interpreter speaks while the original speaker is talking. This method is commonly used in conferences and large meetings. Requires 1 GTA-T1 and as many GTA-R units as needed.

### Consecutive Interpretation

The interpreter listens to sections of the speech and then translates, used in business or legal meetings. Requires 1 GTA-T1 and as many GTA-R units as needed.

### Relay Interpretation

Used when an interpreter translates from one language into another via an intermediary language. This setup requires multiple GTA-T1 units and as many GTA-R units as needed. Each interpreter must have a GTA-R to listen to the language being translated and a GTA-T1 to transmit to their own group.

## Sight Interpretation

Describing events or visuals for those with visual impairments, often used in theaters, cinemas, or galleries.

The GoTalk system is most suitable for simultaneous, relay, and sight interpretation.

Example: The original language is English, and it is interpreted into German, Spanish, and French. The German and Spanish interpreters understand and can interpret from English, but the French interpreter does not. However, the French interpreter is fluent in German and can interpret from German to French.

This setup requires 4 GTA-T1 units, one for each language, and as many GTA-R units as needed. Additionally, the interpreters need a GTA-R paired with the GTA-T1 used by the language they interpret from. In the above example, the Spanish and German interpreters have a GTA-R paired with the English presenter's GTA-T1. The French interpreter has a GTA-R paired with the German interpreter's GTA-T1.

## COLLABORATION AND MEETINGS

The GoTalk system enhances collaboration by acting as an intercom system in meetings. It allows seamless, real-time communication between participants, making it easy to exchange ideas and feedback without interrupting the flow of conversation.

## SPORTS EVENTS

In sports, such as equestrian activities, skiing, and extreme sports, where coaches and athletes are often separated by large distances, the GoTalk system facilitates mid-practice communication. It can also be used between head coaches and assistant coaches to coordinate during events.

## EVENTS, PRODUCTION AND WIRELESS INTERCOM

During events, theater productions, or similar settings, the GoTalk system functions as a small, efficient intercom, allowing team members to communicate effectively behind the scenes without disrupting the event. For smaller setups, such as film crews or retail shops, the GoTalk system can serve as a rudimentary wireless intercom using a GTA-T1 and several GTA-T2 units, ensuring seamless communication between team members.

## LEISURE

The GoTalk system can enhance communication in leisure activities such as family holidays or motorcycle rides, where maintaining clear communication in a closed group is essential. It provides an easy way to stay connected, whether traveling or engaging in outdoor activities.

## SILENT MEETINGS

In environments where multiple speakers are close to each other, such as trade shows or political rallies, the GoTalk system can be used without a PA system. This ensures clear communication even in noisy surroundings, allowing presenters to avoid interference and ensure their message is heard.

## EDUCATION

In educational settings, the GoTalk system can be beneficial in several ways. Schools may use it as a tour guide system for field trips, while it can also aid students with ADHD, ADD, or Autism by helping them focus in group settings. The system allows two-way communication, enabling teachers to provide focused instruction and students to ask questions without distractions.

# GoTalk Products and Accessories

## TRANSCIVERS

P/N:	Product Name	Description
575100-XXX	GoTalk GTA-T1	Leader Transceiver, XXX*
575110-XXX	GoTalk GTA-T2	Sub-Leader Transceiver, XXX*
575200-XXX	GoTalk GTA-R	Participant Transceiver, XXX*

**Note:** \*XXX replace with version, either 863 MHz, 915 MHz or 928 MHz (GTA-T1 only). The 863 MHz and 915 MHz versions are not interoperable. The GTA-T1 928 MHz uses the 915 MHz GTA-T2 and GTA-R.

## CHARGING OPTIONS

P/N:	Product Name	Description
582100	GTA-CU4	4-port USB wall charger, EU/UK/US/AUS
575006	GTA-CT6	6-slot charging tray, EU/UK/US/AUS
575012	GTA-CT12	12-slot charging tray, EU/UK/US/AUS
575024-XX	GTA-CC24	24-slot charging case, XX*

**Note:** \*XX replace with region, EU (Europe), UK (United Kingdom), US (United States), AUS (Australia) to ensure you get the correct power cord for your region.

## HEADSETS AND HEADPHONES

P/N:	Product Name	Description
575190	GTA-HP1	Headphones 1, universal stereo headphones (TRS)
575180	GTA-HS1	Headset 1, mono earpiece with boom mic (TRRS)
575181	GTA-HS2	Headset 2, mono headset with NC* boom mic (TRRS)
575182	GTA-HS3	Headset 3, stereo headset with NC* boom mic (TRRS)
575183	GTA-HS4	Headset 4, protective headset with NC* boom mic (TRRS)
575184	GTA-HS5	Headset 5 protective headset for helmets, with NC* mic (TRRS)
283103	NL-100	Neckloop for HAC-enabled transceivers (TRS)

**Note:** \*NC means noise-cancelling.

## ACCESSORIES

P/N:	Product Name	Description
575810	GTA-AP	Armpouch, secure your transceiver on your arm
550037	N-32	Replacement lanyard for transceivers
575195	GTA-HS2EC	Replacement ear cushions for HS2 and HS3
575196	GTA-HS2WS	Replacement windscreen for HS2 and HS3
575199	GTA-YS	Y-split cable that enables use of a neck loop and microphone together
575830	GTA-BAT	Replacement battery for GTA-T1, GTA-T2 and GTA-R
599150	GOPSU20W	Replacement PSU for GTA-CT6 and GTA-CT12
599100	GOPSU60W2	Replacement PSU for GTA-CC24

# Specifications

## GOTALK GTA-T1 / GTA-T2 / GTA-R

### AUDIO

Headphone Output:	30 mW @ 32 $\Omega$ impedance
Microphone Input:	Electret type, external bias 1.5-2 V Bias voltage <3 V, current <0.5 mA Sensitivity -43 $\pm$ 3 dB
Sidetone:	20% of selected volume
Frequency Response:	300-3400 Hz
Signal to Noise Ratio:	>60 dB
Hearing Aid Compatibility (HAC):	Yes, made to work with neckloops

RADIO	<u>863 VERSION</u>	<u>915 VERSION</u>	<u>928 VERSION</u>
Operating Frequency:	823-832+863-865 MHz	902-928 MHz	915-928 MHz
Average Transmission Power:	10-20 mW (freq. dependent)	25 mW	25 mW
Typical Range, Line of Sight:	Up to 70 or 100 m (freq. dependent)	Up to 90 m	Up to 90 m
Available Channels:	20 channels	26 channels	13 channels
Max. Simultaneous Groups:	12 groups	8 groups	5 groups
Modulation:	4GFSK	4GFSK	4GFSK
Type of Transmission:	Digital UHF	Digital UHF	Digital UHF
Security:	Proprietary encoding	Proprietary encoding	Proprietary encoding

### POWER AND BATTERY

Battery Type:	Lithium-ion, rechargeable, non-proprietary, replaceable, 1300 mAh
Typical Operating Time:	15-20 hours
Typical Charging Time:	4 hours
Power Saving:	Auto power off after 30 min Auto power off when powering off leader unit Auto power off when placed in charging tray after 30 min
Charging Power:	5 V, >650 mA

### PHYSICAL AND ENVIRONMENT

Dimensions w/o Belt Clip:	GTA-T1/GTA-T2 43 x 175 x 20 mm (1.69 x 6.89 x 0.79 in.) GTA-R 43 x 105 x 20 mm (1.69 x 4.13 x 0.79 in.)
Dimensions w/ Belt Clip:	GTA-T1/GTA-T2 43 x 175 x 28 mm (1.69 x 6.89 x 1.10 in.) GTA-R 43 x 105 x 28 mm (1.69 x 4.13 x 1.10 in.)
Shipping Dimensions:	84 x 146 x 45 mm (3.31 x 5.75 x 1.77 in.)
Net Weight:	65 g (2.29 oz.)
Shipping Weight:	138 g (4.87 oz.)
Enclosure Material:	ABS plastic
Color:	GTA-T1 – Red, GTA-T2 – Black, GTA-R – Yellow
Indicators:	Status LED, display icons, LED backlit talk button
Connections:	3.5 mm headset jack (TRRS) (CTIA), USB-C for charging
Operating Temperature:	-10 to 50 °C (14 to 122 °F)
Storage Temperature:	-20 to 60 °C (-4 to 140 °F)
Relative Humidity:	0 to 80 %, non-condensing
Compliance:	CE, UKCA, FCC, RoHS

## GOTALK GTA-CU4

### PHYSICAL

Color:	Black
Cable Color:	Black
Dimensions:	55 x 77 x 29 mm (2.17 x 3.03 x 1.14 in.) w/ plug, EU 106 x 77 x 40 mm (4.17 x 3.03 x 1.57 in.), UK 87 x 77 x 79 mm (3.43 x 3.03 x 3.11 in.), US & AUS 85 x 77 x 40 mm (3.35 x 3.03 x 1.57 in.)
Net Weight:	67 g (2.36 oz.) w/ plug, EU 86 g (3.03 oz.), UK 85 g (3.00 oz.), US & AUS 80 g (2.82 oz.)
Shipping Weight:	236 g (8.32 oz.)
Unit Capacity:	4

### POWER

Power Supply Input:	100-240 VAC, 50-60 Hz
Power Supply Output:	5 VDC, 4 x 1.0 A, 20 W
Power Supply Connector:	IEC C7 2-pole connector
Power Cord:	Input: No cord supplied. Plugs for regions EU, UK, US and AUS supplied. Output: 4 USB-A to USB-C 1.0 m (39.37 in.) supplied.

### COMPLIANCE

Standards:	RoHS, CE, UKCA, FCC
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## GOTALK GTA-CT6 / GTA-CT12 / GTA-CC24

### PHYSICAL

Case Color:	Aluminium/grey (CC24)		
Tray Color:	Black (CT6/CT12/CC24)		
Dimensions:	CT6: 44 x 170 x 85 mm (1.73 x 6.69 x 3.35 in.) CT6: 53 x 115 x 218 mm (2.09 x 4.53 x 8.58 in.) CC24: 208 x 456 x 343 mm (8.19 x 17.95 x 13.50 in.)		
Shipping Dimensions:	CT6: 236 x 208 x 50 mm (9.29 x 8.19 x 1.97 in.) CT12: 271 x 247 x 56 mm (10.67 x 9.72 x 2.2 in.) CC24: 470 x 364 x 227 mm (18.5 x 14.33 x 8.94 in.)		
Net Weight:	CT6: 203 g (0.45 lbs)	CT12: 306 g (0.67 lbs)	CC24: 4.00 kg (8.82 lbs)
Shipping Weight:	CT6: 579 g (1.28 lbs)	CT12: 736 g (1.62 lbs)	CC24: 4.40 kg (9.70 lbs)
Unit Capacity:	CT6: 6	CT12: 12	CC24: 24

### POWER

Power Supply Input:	100-240 VAC, 50-60 Hz (CT6/CT12/CC24)
Power Supply Output:	5 VDC, 4.0 A, 20 W (CT6/CT12) / 12 VDC, 5.0 A, 60 W (CC24)
Power Supply Connector:	CT6/CT12: 5.5 mm (0.22 in.) OD x 2.0 mm (0.08 in.) ID, barrel type CC24: 5.5 mm (0.22 in.) OD x 2.5 mm (0.10 in.) ID, barrel type
Power Cord:	CT6/CT12: 100 cm (39.37 in.) output cord CC24: 175 cm (68.9 in.) input cord / 150 cm (59.05 in.) output cord

### COMPLIANCE

Standards:	RoHS, CE, UKCA, FCC
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## GOTALK GTA-HS1

### PHYSICAL

Color:	Black
Cord Length:	1 m (39.37 in.)
Weight:	22 g (0.78 oz.)
Shipping Weight:	26 g (0.92 oz.)

### CONNECTIONS

Connector:	Male 3.5 mm (TRRS), CTIA compliant
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### AUDIO – MICROPHONE

Type:	Electret condenser
Polar Pattern:	Omni-directional
Impedance:	900 - 2.2 kOhms typical
Sensitivity:	-43 ±3 dBV/Pa @ 1 kHz
Bandwidth:	100 Hz - 10 kHz
Bias:	1.8 - 10 VDC

### AUDIO – DRIVER

Driver Size and Type:	ø 23 mm, dynamic
Impedance:	32 ohm ±15% @ 1 kHz
Bandwidth:	100 Hz - 20 kHz

### COMPLIANCE

Standards:	RoHS, CE, UKCA
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## GOTALK GTA-HP1 / GTA-HS2 / GTA-HS3

### PHYSICAL

Color:	Black
Cord Length:	1 m (39.37 in.)
Weight:	HP1 62.5 g (2.20 oz.) HS2 46 g (1.62 oz.) HS3 68.5 g (2.41 oz.)
Shipping Weight:	HP1 70.5 g (2.48 oz.) HS2 54 g (1.90 oz.) HS3 76.5 g (2.70 oz.)

### CONNECTIONS

Connector:	HP1 male 3.5 mm (TRS) standard headphone HS2/HS3 male 3.5 mm (TRRS) CTIA compliant
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### AUDIO – MICROPHONE (HS2/HS3)

Type:	Electret condenser
Polar Pattern:	Bi-directional, noise-cancelling
Impedance:	900 - 2.2 kOhms typical
Sensitivity:	-45 ± 3 dBV/Pa @ 1 kHz
Bandwidth:	100 Hz - 10 kHz
Bias:	1.8 - 10 VDC

### AUDIO – DRIVER (HP1/HS2/HS3)

Driver Size and Type:	ø 30 mm, dynamic
Headphone Impedance:	32 ohms ±20% @ 1 kHz
Headphone Bandwidth:	20 Hz - 20 kHz

### COMPLIANCE

Standards:	RoHS, CE, UKCA
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## GOTALK GTA-HS4 / GTA-HS5

### PHYSICAL

	<u>GTA-HS4</u>	<u>GTA-HS5</u>
Color:	Black	Black
Cord Length:	1 m (39.37 in.)	1 m (39.37 in.)
Weight:	431 g (15.20 oz.)	355 g (12.52 oz.)
Shipping Weight:	620 g (21.87 oz.)	529 g (18.66 oz.)
Shipping Dimensions:	195 x 130 x 220 mm (7.68 x 5.12 x 8.66 in.)	140 x 125 x 250 mm (5.51 x 4.92 x 9.84 in.)

### CONNECTIONS

Connector:	Male 3.5 mm (TRRS) CTIA compliant	Male 3.5 mm (TRRS) CTIA compliant
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### AUDIO – MICROPHONE

Type:	Electret condenser	Electret condenser
Polar Pattern:	Unidirectional, noise cancelling	Unidirectional, noise cancelling
Impedance:	1.5 kohms $\pm$ 30% @ 1 kHz	680 ohms $\pm$ 30% @ 1 kHz
Sensitivity:	-56 $\pm$ 3 dBV/Pa @ 1 kHz	-47 $\pm$ 3 dBV/Pa @ 1 kHz
Bandwidth:	250 Hz - 16 kHz	100 Hz - 16 kHz
Bias:	1 - 10 VDC	1 - 10 VDC

### AUDIO – DRIVER

Driver Size and Type:	Ø 40 mm, dynamic	Ø 50 mm, dynamic
Impedance:	32 ohms $\pm$ 15% @ 1 kHz	32 ohms $\pm$ 15% @ 1 kHz
Frequency Response:	250 Hz - 4 kHz	210 Hz - 5 kHz
Noise Reduction Rating (NRR):	23 dB	23 dB

### COMPLIANCE

Standards:	RoHS, CE	RoHS, CE
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# Product maintenance

## CARE, CLEANING, AND DISINFECTING

Proper care, cleaning, and disinfecting of your GoTalk system ensure its longevity and optimal performance. Follow these guidelines to maintain your devices:

### GENERAL CLEANING

**Exterior Cleaning:** Wipe the exterior of your GoTalk devices with a soft, dry cloth. For more stubborn dirt, use a slightly damp cloth. Avoid using harsh chemicals, solvents, or abrasive materials, as these can damage the device's surface.

**Connector Cleaning:** Ensure that the headset jacks and charging ports are free of dust and debris. Use a dry, soft-bristle brush or compressed air to gently clean these areas.

### DISINFECTING

**Regular Disinfection:** Disinfect your GoTalk devices regularly, especially if they are shared among multiple users. Use disinfectant wipes or a cloth dampened with isopropyl alcohol (70% concentration). Ensure the device is powered off before cleaning.

**Headsets and Accessories:** Disinfect ear cushions, microphone windscreens, neckloops, and headphones with disinfectant wipes or a cloth dampened with isopropyl alcohol. Allow them to air dry completely before use.

### CHARGING TRAYS AND CASES

**Cleaning and Disinfecting:** Regularly clean the charging trays (GTA-CT6 and GTA-CT12) and charging cases (GTA-CC24) by wiping them with a soft, damp cloth. Disinfect the interior surfaces with disinfectant wipes or a cloth dampened with isopropyl alcohol. Ensure that the charging ports are free of dust and debris by using a dry, soft-bristle brush or compressed air. Make sure the trays or cases are unplugged during cleaning and allow them to dry completely before use.

### STORAGE

**Proper Storage:** Store your GoTalk devices in a cool, dry place when not in use. Avoid exposure to direct sunlight, extreme temperatures, and high humidity.

**Protective Cases:** Use the provided charging cases or pouches to store and protect your devices. This helps prevent dust accumulation and physical damage.

### HANDLING

**Gentle Handling:** Handle your GoTalk devices with care. Avoid dropping them or subjecting them to physical shock, which can damage internal components.

**Avoid Liquid Exposure:** Keep your devices away from water and other liquids. If a device gets wet, dry it immediately with a soft cloth and allow it to air dry completely before use.

### BATTERY CARE

**Regular Charging:** Keep your devices charged regularly. Do not let the battery discharge completely before recharging. Follow the recommended charging guidelines in the user manual.

**Battery Inspection:** Periodically inspect the battery for signs of swelling or damage. If you notice any issues, contact a technician for a battery replacement.

By following these care, cleaning, and disinfecting guidelines, you can ensure that your GoTalk system remains in excellent condition, providing reliable performance and extending the lifespan of your devices.

# Troubleshooting

## THE UNIT HAS NO POWER

Make sure the battery is fully charged. Press and hold the power button for 2 seconds to turn it on. If this does not work, allow a technician to examine the battery and, if necessary, replace it.

## THERE'S NO AUDIO

Check that the unit is in the same group as the Leader, Sub-Leader, or Participants you wish to communicate with. Ensure the volume is turned up so that at least one LED on the volume display is lit. Check that the headset is properly connected and plugged in all the way, and inspect the headset for any damage.

## I CAN'T RECEIVE A SIGNAL

Ensure that the Leader, Sub-Leader, and Participants are paired and in the same group.

## THE AUDIO IS DISTORTED

Compare with others in the group to ensure you are in the same group. Move closer to the Leader or ask the Leader to change the broadcast channel.

## THE BATTERY ISN'T CHARGING

If using a USB charger, try another cable or try to charge another device. If placed in a charging tray, make sure the power cable is connected to the tray. Try other slots and other devices. If the problem persists, allow a technician to examine the battery and, if necessary, replace it.

## I CANNOT TRANSMIT

Check to make sure that the Talkback Function has been toggled on from the Leader unit. Make sure that there is an available talk path. This is indicated by the Talk Button being red. If the Talk Button is not lit up check and make sure that no other unit is currently transmitting.

# Compliance information

## WARRANTY

Univox warrants that the GTA-T1, GTA-T2 and GTA-R and charging trays are free from defects in materials and workmanship under normal use and conditions for 5 years from the original date of purchase. Accessories, such as headsets, and consumables, such as batteries and lanyards, are subject to a 1-year limited warranty.

Please note that normal wear and tear is not covered under warranty, as it results from regular use and does not fall within warranty terms for material defects or workmanship issues.

For current warranty conditions, please visit our website at [www.univox.eu/support/contact/general-sales-conditions/](http://www.univox.eu/support/contact/general-sales-conditions/).

## IMPORTANT INFORMATION

Read the following information before using your GoTalk system.

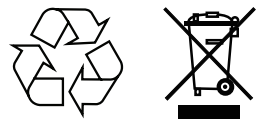
Product labeling information, such as the serial number, country of origin, and additional regulatory information, can be found on the back of the units. To view the product label in its entirety, lift up the belt clip.

These devices have passed all tests regarding RF exposure limits and comply with the RED directive as well as FCC regulations for body-worn portable devices. These devices may be used and operated safely handheld, on your person using a lanyard, or fastened to your clothes with the belt clip.

## Recycling

Remember to dispose of your equipment properly at the end of its life, following your local laws and regulations regarding recycling.

### PRODUCT RECYCLING



Please do NOT dispose of your Univox products in household trash or otherwise. Univox products can be fully recycled and should be brought to an electronics recycling center. Before recycling the product, batteries should be removed. The packaging material should be sorted as plastic and cardboard.

### BATTERY RECYCLING INFORMATION



Please do NOT dispose of batteries in household trash or otherwise. Please take the batteries to a retailer or dispose of them in a designated recycling bin for batteries.

## Contact Information

GoTour is a sub-brand of Univox, which in turn is a registered brand owned by the legal entity of Bo Edin AB.

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