

# uStream

## Technical data

uStream can receive audio inputs from different Bluetooth® devices and transmits them wirelessly to Unitron hearing instruments. Virtually any Bluetooth enabled audio device such as cell phones or tablets are supported. uStream can also be used as a remote control to adapt your hearing instruments to different listening situations.

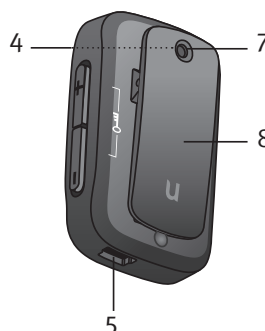
### Description

- 1 Access (A)
- 2 Volume up/down (+/-)
- 3 On/Off switch (I/O)
- 4 Microphone openings
- 5 Charging input (mini-USB)
- 6 Indicator light
- 7 Eyelet for lanyard
- 8 Retaining clip



### Special features

- No neckloop
- Line of sight to hearing instruments not necessary
- Up to 4 hours streaming time
- Simple remote control
- Compatible with Unitron uControl™ App



### General information

Dimensions (LxWxH):	54 x 34 x 12/19 mm (2.13 x 1.34 x 0.47/0.75 inches)
Weight:	24 g
Color:	Cashmere silver
Operating conditions:	The product has been designed for trouble-free operation without restrictions when used as intended, unless otherwise stated in the user guide 0°/40° C (32°/104° F) and relative humidity of <95% (non condensing)
Storage and transportation conditions:	-20°/60° C (-4° F to 140° F) and relative humidity of <90% for a long period of time


## Power supply

Battery:	Lithium Polymer 3.7 V DC
Charging time:	2 hours Charging time depends on initial battery state Full performance is achieved after three complete charge and discharge cycles
Capacity:	325 mAh (typ.)
Operating time:	Up to 4 hours Bluetooth streaming 1 week switched on, Bluetooth on stand-by
Charging input:	Type: DC, stabilized 5 V +/- 5% Max. current: 500 mA The battery cannot be over-charged. It may become warm during charging. Important notice: It is recommended to only use the original Unitron charging unit

## Audio information

Audio input:	Bluetooth audio (stereo) Bluetooth phone
Audio quality:	Stereo / 22 kHz sample frequency
Audio bandwidth:	20 Hz – 10 kHz

## Bluetooth

Bluetooth profiles:	Headset Profile (HSP) Handsfree Profile (HFP) Low Energy (Bluetooth Smart) GATT Profile Advanced Audio Distribution Profile (A2DP) Audio Video Remote Control Profile (AVRCP) Phone Book Access Profile PBAP
Bluetooth range:	10 m (Class 2)
Bluetooth compliance:	Bluetooth version 4.1 + EDR / +LE
Max. paired devices:	6
Maximum of simultaneously connected profiles:	3 A2DP 2 HSP/HFP (usually 2 cellular phones and 1 uTV 3 or uMic)
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## Radio information

Antenna	
Type:	Integrated, inductive
Operation frequency:	10.6 MHz
Occupied bandwidth (99% BW):	488 kHz
Modulation:	8-DPSK
Channel:	Single channel radio
Magnetic field strength@10 m:	< -3.5 dBµA/m
Operating range to hearing aid:	up to 40 cm (15")
Wearing option:	clipped on clothing
Use case:	Audio streaming, phone call, remote control

## Standards applied

Europe	EN 300 330 (HiBAN) EN 300 328 (Bluetooth) EN/IEC 60601-1-2 EN 301489-1,-3,17 EN/IEC 60601-1 EN 60950-1 EN 62479
USA	47 CFR Part 15.209 (HiBAN) 47 CFR Part 15.247 (Bluetooth)
Canada	RSS-210 (Issue 8) Annex 1 (HiBAN) RSS-210 (Issue 8) Annex 8 (Bluetooth)
Japan	EWPE (HiBAN), ARIB-T66 (Bluetooth)

## Status light indication

Demo sound	Solid pink	
Bluetooth streaming	Solid blue	
Pairing mode	Rapid blue blinking	
Switching on	Green 2 seconds	
Switching off	Red 2 seconds	
Charging	Solid red	
Fully charged while charger attached	Solid green	
<10% battery left	Short red flash	
Enable/disable lock state	Triple red flash (locked) Triple green flash (unlocked)	 