Product Catalog

April 2023

BETTER HEARING FOR EVERYONE

Better hearing for everyone

At A&M we can proudly trace our origins back to one of the world's first manufacturers of electrical hearing aids from the beginning of the 1900's. Since our foundation, we have strived to make the benefits of trusted audiological technology accessible to everybody with hearing loss.

Our name, which we interpret as an abbreviation for the Latin term 'Auditus Melior', meaning better hearing, reflects our brand promise of better hearing for everyone, and serves as a constant reminder of our goal. The use of Latin, as the language of science and medicine, further emphasises our commitment to providing hearing care professionals with audiologically proven hearing aids that are practical, easy-to-use and affordable for the people they serve.

As the number of people who need a professionally fitted yet affordable solution to their hearing challenge continues to rise, our mission to make proven audiological technology accessible to everybody is more relevant than ever before.

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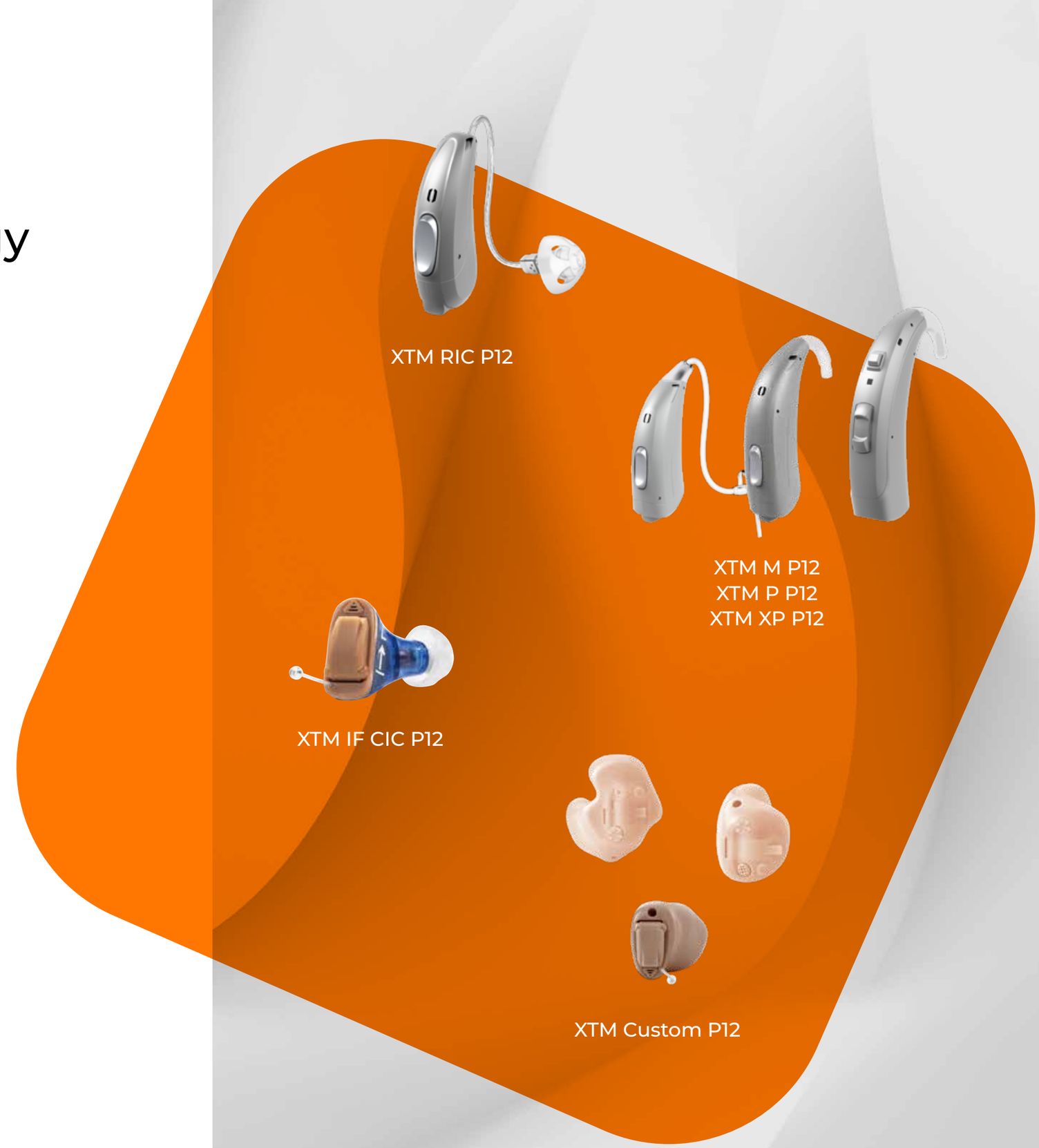
P12

Proven 12 compression channel hearing technology

Our P12 hearing aids bring proven 12 compression channel hearing technology to even more people. 50% more channels enables more precise fitting. Higher resolution combined with the automatic and adaptive directional microphone helps users to understand in noisy environments.
With a wide range of form factors available, P12 hearing aids' proven audiological technology enables you to provide better hearing for everyone.

Key features:

- 50% more compression channels than before
- Automatic directionality for better hearing in noise
- Wide range of form factors



Feature overview

12 compression channel technology

The introduction of multi-channel hearing aids has vastly improved the quality and audibility of the sound users can hear, especially when compared with single channel ‘filters’ that simply amplify the overall sound. Now A&M P12 hearing aids feature 12 compression channel technology that further improves on this to provide even higher resolution sound and more precise control.

A&M 12 compression channel technology features:

- Precise identification of sound levels in discrete frequency regions thanks to complex acoustic scene analysis
- Improved audibility thanks to multi-path active feedback cancellation
- Noise reduction that helps preserve speech audibility while improving listening comfort
- Target gain match that adjusts the frequency response and compression settings to more configurations of hearing loss, especially the atypical ones, to ensure consistent speech audibility
- Narrow band Automatic Output Control (AOC) that restricts output limitation to a specified frequency range, preserving audibility of other sounds

Directional iLock

In Directional iLock, A&M combines the best out of two worlds. First there is the automatic and adaptive directional microphone which is secondly complemented by a directional noise reduction system.

Traditional noise reduction systems estimate the presence of noise based on stationarity criterions. If the stationarity is high (as for e.g. a fan or traffic noise from far away), the amplification is reduced. In contrast, Directional iLock can analyze the direction of interfering sound sources - the result is a better attenuation for sounds from the back, especially for fluctuating sources such as speech.

Of course, all that works in each of the 12 channels.

XPhone

XPhone is an upgrade for acoustic telephone calls (non-Blue-tooth®) in a special hearing program. The telephone signal is streamed wirelessly using AudioExchange from the hearing aid against which the telephone is held to the opposite hearing aid so that the telephone call can be heard simultaneously in both ears. As a result, the hearing system wearer can more easily understand the person he or she is speaking to on the telephone. Through binaural loudness summation, the telephone call is perceived about twice as loud (+3 dB).

Feature overview

Wireless Sync

The A&M P12 and other devices feature many signal processing schemes working simultaneously. Wireless Sync ensures that both instruments in a binaural fitting always work in sync. To achieve that both devices exchange information on their current acoustic environment and apply the same signal processing strategies to both devices.

Furthermore it allows the synchronization of volume and or program changes that the user does on one of the two devices.

Sound Locator

With hearing aids, it is often challenging to detect where a sound generates from as the sound waves no longer pass the outer ear.

With the Sound Locator function, which imitates the properties of the human ear, the hearing environment becomes clearer. Low frequencies are processed omni-directionally, high frequencies with a slight directional effect.

CROS

CROS RIC

Routing of sound from one ear to the other:
For people who have unaidable hearing loss on one side, communication is often difficult, since they cannot be spoken to from both sides.

A Wireless CROS (Contralateral Routing of Signals) system can help people with one ear with no hearing. The CROS RIC, which picks up the sound via the microphones, is worn on the unaidable side. The sound is transmitted wirelessly via AudioExchange to the receiving device at the contralateral ear.

Tinnitus Relief

More people than ever suffer from Tinnitus, a medical condition that causes you to hear ringing, buzzing, or similar phantom noises. Nowadays Tinnitus is also reported as a side effect of a COVID-19 infection. In some cases, Tinnitus is the first symptom of hearing loss.

A&M hearing aids with Tinnitus Function contain a sound generator in addition to regular hearing aid functions. By adding a sound pattern around a wearer's individual Tinnitus signal, the unwanted noise can be wrapped and softened. These additional sound patterns can help reduce the Tinnitus perception.

Hearing aid portfolio

	Custom	IF	RIC	S	M	P	XP
P12	•	•	•	-	•	•	•
P8	•	•	•	•	•	•	•
P6	•	•	-	•	•	•	•
P4	-	•	-	•	-	•	•
A4	-	•	-	•	-	•	•
T3	-	-	-	-	-	•	•
T1	-	-	-	-	-	•	-

Custom

Perfectly fitted 12 compression channel features

A wide range of discreet customizable models help provide users with endless flexibility. Custom hearing aids provide a pleasant sound experience with excellent listening comfort and high amplification power. Wireless functionality up to 65 dB possible. P12 with binaural signal processing ensures easier listening in loud environments. Available in CIC, ITC, and ITE form factors.

Highlights

› Optional push button
› Optional Poti
› Nearly invisible

	50 dB	55 dB	65 dB
FOG / OSPL in dB	50/113	55/118	65/124
Battery current consumption	1.1 mA	1.0 mA	1.1 mA

Colors

Beige Tan

Features	XTM P12	XTM P8	XTM P6
Signal Processing- / Compression-Channels (handles) / Programs	24/12/6	16/8/4	12/6/4
Automatic Classifier	•	•	•
Wireless Sync	•	•	-
Directionality[1)]	Automatic Directional Microphone Multichannel Adaptive Directional Microphone Directional iLock	-	-
Noise Reduction	Noise Management Sound Smoothing	Noise Management	Noise Management
Wind Noise Cancelation	•	-	-
Bandwidth Compression	•	•	-
Music Enhancer	•	-	-
Tinnitus Function	•	-	-
XPhone	-	-	-
Smart Automatic Acclimatization/ Data Logging	• / •	• / •	- / •
Volume Control	0	0	0
Push buttton	0	0	0
Telecoil	0	0	0
Color Conversion Kit	-	-	-
Accessories & Apps			
Smart Remote	•	•	-
Smart Key	•	•	•
myRemote App	•	•	•
CROS RIC	•	-	-

O=optional [1)] not available as CIC

IF

Instant Fit – maximum discretion without custom production

The shape of the IF housing follows the natural auditory canal geometry and fits for nearly every ear. As discreet as custom CIC's, but without the hassle of custom production. An ideal solution for first-time wearers who favor discretion and convenience above all other. Also available as ITC from P6 downwards.

Highlights

› Wireless functionality available in P12 and P8
› Sits deep in the canal

	CIC	ITC
FOG / OSPL in dB	50/113	55/116
Battery current consumption	1.1 mA	1.0 mA

Colors

	Red	Blue	Beige	Mocha
Shell (P12, P8)	■	■		
Shell (P6 - A4)			■	
Faceplate				■

Features	XTM P12	XTM P8	XTM P6	XTM P4	XTM A4
Signal Processing- / Compression-Channels (handles) / Programs	24/12/6	16/8/4	12/6/4	8/4/4	8/6 preconfigured sound profiles
Automatic Classifier	•	•	•	•	-
Wireless Sync	•	•	-	-	-
Directionality	-	-	-	-	-
Noise Reduction	Noise Management Sound Smoothing	Noise Management	Noise Management	Noise Management	Noise Management
Wind Noise Cancelation	•	-	-	-	-
Bandwidth Compression	•	•	-	-	-
Music Enhancer	•	-	-	-	-
Tinnitus Function	•	-	-	-	-
XPhone	-	-	-	-	-
Smart Automatic Acclimatization/ Data Logging	• / •	• / •	- / •	- / •	-
Volume Control	-	-	-	-	-
Push buttton	-	-	•[1)]	•[1)]	-
Telecoil	-	-	-	-	-
Color Conversion Kit	-	-	-	-	-
Accessories & Apps					
Smart Remote	•	•	-	-	-
Smart Key	•	•	•	•	•
myRemote App	•	•	•	•	•
CROS RIC	•	-	-	-	-

[1)] not available for CIC

RIC

Flexibility and practicality in a compact package

The versatile RIC is a small, inconspicuous hearing system. Various types of receivers mean that it can be used for a broad range of hearing loss. Available in two performance levels for more flexibility.

Highlights

› Wireless functionality

Receiver	S	M	P	HP
FOG / OSPL in dB	45/108	60/119	70/124	75/130
Battery current consumption	0.9 mA	1.0 mA	1.0 mA	1.1 mA

Colors

	Beige	Gray	Granite
	■	■	■ (only P12)

Features	XTM P12	XTM P8
Signal Processing- / Compression-Channels (handles) / Programs	24/12/6	16/8/4
Automatic Classifier	•	•
Wireless Sync	•	•
Directionality	Automatic Directional Microphone Multichannel Adaptive Directional Microphone Sound Locator Directional iLock	Automatic Directional Microphone
Noise Reduction	Noise Management Sound Smoothing	Noise Management
Wind Noise Cancelation	•	-
Bandwidth Compression	•	•
Music Enhancer	•	-
Tinnitus Function	•	-
XPhone	•	-
Smart Automatic Acclimatization/ Data Logging	• / •	• / •
Volume Control	•	•
Push buttton	•	•
Telecoil	•	•
Color Conversion Kit	•	•
Accessories & Apps		
Smart Remote	•	•
Smart Key	•	•
myRemote App	•	•
CROS RIC	•	-

S

Compact yet powerful

S is the behind-the-ear hearing aid for anyone who particularly values discretion. The hearing aid is ideally suited for an open-fitting system, and is designed for mild to moderate hearing loss.

Highlights

› Perfect for open fitting
› Small housing
› Wireless functionality in P8
› Low battery consumption

	Ear hook	Thin Tube
FOG / OSPL in dB	55/124	45/124
Battery current consumption	0.9 mA	0.9 mA

Colors

Beige
Gray/Dark Granite

M

Universally practical

The M P12 hearing aids are suitable for various degrees of hearing loss and with their many features, they offer wide scope for meeting your customers´ individual needs. For open and closed fitting.

Highlights

› Wireless functionality in P12 and P8
› For open and closed fitting

	Ear hook
FOG / OSPL in dB	60/130
Battery current consumption	1.0 mA

	Thin Tube (P12 / (P8)	Thin Tube (P6)
FOG / OSPL in dB	53/126	53/125
Battery current consumption	1.1 mA	1.0 mA

Colors

Beige
Gray
Granite
Gray/Dark Granite
P12, P8
P6
(only P12)

Features	XTM P8	XTM P6	XTM P4	XTM A4
Signal Processing- / Compression-Channels (handles) / Programs	16/8/4	12/6/4	8/4/4	8/6 preconfigured sound profiles
Automatic Classifier	•	•	•	-
Wireless Sync	•	-	-	-
Directionality	Automatic Directional Microphone	Automatic Directional Microphone	-	-
Noise Reduction	Noise Management	Noise Management	Noise Management	Noise Management
Wind Noise Cancelation	•	-	-	-
Bandwidth Compression	•	-	-	-
Music Enhancer	-	-	-	-
Tinnitus Function	-	-	-	-
XPhone	-	-	-	-
Smart Automatic Acclimatization/ Data Logging	• / •	- / •	- / •	-
Volume Control	-	-	-	-
Push buttton	•	•	•	-
Telecoil	-	-	-	-
Color Conversion Kit	•	•	•	•
Accessories & Apps				
Smart Remote	•	-	-	-
Smart Key	•	•	•	•
myRemote App	•	•	•	•

Features	XTM P12	XTM P8	XTM P6
Signal Processing- / Compression-Channels (handles) / Programs	24/12/6	16/8/4	12/6/4
Automatic Classifier	•	•	•
Wireless Sync	•	•	-
Directionality	Automatic Directional Microphone Multichannel Adaptive Directional Microphone Sound Locator Directional iLock	Automatic Directional Microphone	Automatic Directional Microphone
Noise Reduction	Noise Management Sound Smoothing	Noise Management	Noise Management
Wind Noise Cancelation	•	-	-
Bandwidth Compression	•	•	-
Music Enhancer	•	-	-
Tinnitus Function	•	-	-
XPhone	•	-	-
Smart Automatic Acclimatization/ Data Logging	• / •	• / •	- / •
Volume Control	•	•	•
Push buttton	•	•	•
Telecoil	•	•	•
Color Conversion Kit	•	•	•
Accessories & Apps			
Smart Remote	•	•	-
Smart Key	•	•	•
myRemote App	•	•	•
CROS RIC	•	-	-

P

Power and flexibility

P hearing aids for moderate to severe hearing loss. Featuring a rocker switch for ease of use.

	Ear hook (P12 / P8)
FOG / OSPL in dB	70/131 (damped) / 77/135 (undamped)
Battery current consumption	1.2 mA

	S-Tube (P12/ P8)	Ear hook (P6/P4)
FOG / OSPL in dB	65/129	70/134
Battery current consumption	1.2 mA	1.4 mA

	Ear hook (A4-T3)	Ear hook T1
FOG / OSPL in dB	70/132	62/130
Battery current consumption	1.3 mA	1.2 mA

Highlights

› Perfect for open fitting
› Small housing
› Wireless functionality in P12 and P8
› Low battery consumption

XP

High power performance

Designed for users who need extra amplification. XP offers a long lasting battery with low power consumption and the flexibility you need to treat up to profound hearing losses. Telecoil and useful accessories provide the ultimate flexibility for the wearer.

	Ear hook (P12 / P8)
FOG / OSPL in dB	82/140
Battery current consumption	2.1 mA

	Ear hook (P6/P4)	Ear hook (A4/T3)
FOG / OSPL in dB	80/140	79/140
Battery current consumption	2.4 mA	2.2 mA

Highlights

› Optional battery door with Audio Input
› Push button and rocker switch
› Wireless functionality in P12 and P8

Colors

Beige, Gray, Dark Brown (only P12)

Features	XTM P12	XTM P8	XTM P6	XTM P4	XTM A4	STF T3	STF T1
Signal Processing- / Compression-Channels (handles) / Programs	24/12/6	16/8/4	12/6/4	8/4/4	8/6 preconfigured sound profiles	4/4 preconfigured sound profiles	2/3 preconfigured sound profiles
Automatic Classifier	•	•	•	•	-	-	-
Wireless Sync	•	•	-	-	-	-	-
Directionality	Automatic Directional Microphone Multichannel Adaptive Directional Microphone Sound Locator Directional iLock	Automatic Directional Microphone	Automatic Directional Microphone	-	-	-	-
Noise Reduction	Noise Management Sound Smoothing	Noise Management	Noise Management	Noise Management	Noise Management	Noise Manager	-
Wind Noise Cancelation	•	-	-	-	-	-	-
Bandwidth Compression	•	•	-	-	-	-	-
Music Enhancer	•	-	-	-	-	-	-
Tinnitus Function	•	-	-	-	-	-	-
XPhone	•	-	-	-	-	-	-
Smart Automatic Acclimatization/ Data Logging	• / •	• / •	- / •	- / •	-	-	-
Volume Control	•	•	•	•	•	•	•
Push buttton	•	•	•	•	-	-	-
Telecoil	•	•	•	•	-	-	-
Color Conversion Kit	•	•	•	•	•	•	-
Accessories & Apps							
Smart Remote	•	•	-	-	-	-	-
Smart Key	•	•	•	•	•	-	-
myRemote App	•	•	•	•	•	-	-
CROS RIC	•	-	-	-	-	-	-

Colors

Beige, Gray, Dark Brown (only P12)

Features	XTM P12	XTM P8	XTM P6	XTM P4	XTM A4	STF T3
Signal Processing- / Compression-Channels (handles) / Programs	24/12/6	16/8/4	12/6/4	8/4/4	8/6 preconfigured sound profiles	4/4 preconfigured sound profiles
Automatic Classifier	•	•	•	•	-	-
Wireless Sync	•	•	-	-	-	-
Directionality	Automatic Directional Microphone Multichannel Adaptive Directional Microphone Sound Locator Directional iLock	Automatic Directional Microphone	Automatic Directional Microphone	-	-	-
Noise Reduction	Noise Management Sound Smoothing	Noise Management	Noise Management	Noise Management	Noise Management	Noise Manager
Wind Noise Cancelation	•	-	-	-	-	-
Bandwidth Compression	•	•	-	-	-	-
Music Enhancer	•	-	-	-	-	-
Tinnitus Function	•	-	-	-	-	-
XPhone	•	-	-	-	-	-
Smart Automatic Acclimatization/ Data Logging	• / •	• / •	- / •	- / •	-	-
Volume Control	•	•	•	•	•	•
Push buttton	•	•	•	•	-	-
Telecoil	•	•	•	•	-	-
Color Conversion Kit	•	•	•	•	•	•
Accessories & Apps						
Smart Remote	•	•	-	-	-	-
Smart Key	•	•	•	•	•	-
myRemote App	•	•	•	•	•	-
CROS RIC	•	-	-	-	-	-

The handy Smart Key

Small and practical

With Smart Key, programs and volume can be easily adjusted. A keylock prevents buttons from being inadvertently pressed.

A status LED indicates whether the remote control is enabled.

SPECIAL FEATURES

- Small and handy
- Control via high-frequency sounds

The effective Smart Remote

Attractive and functional

This remote control can be used with all hearing systems with a wireless function. The timeless design, the large push buttons together with its clearly arranged display are just some of its user-friendly features.

Smart Remote offers the following standard functions: changing hearing programs, setting the volume, switching the hearing systems on and off.

SPECIAL FEATURES

- Pre-programmed with standard functions
- Buttons can be customized
- Alarm function
- Service information can be programmed:
  Contact information and service appointment reminder
- Adjustable volume of the tinnitus function

myRemote App

Discreet and convenient

The myRemote App allows users to use their phone as a remote control for their hearing aids.
The free myRemote App turns a smartphone into a discreet remote control for the hearing aids.

With this app, the hearing aids can be customized and operated for the following settings: hearing program, volume and tone, without the need for any additional accessories.

SPECIAL FEATURES

- Hearing programs and volumes can be adjusted discreetly
- The volume can be set individually for the right and left hearing system

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