

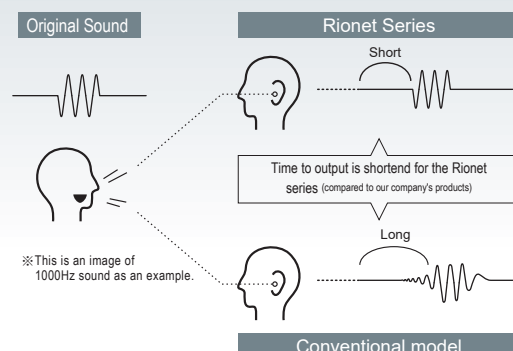
RIONET

PREMIENCE
PREMIENCE V

Newly developed original engine for a more natural sound

Rionet Engine

A new digital signal processing technology is adopted to create a sound that is faithful to the original sound. High-speed and seamless digital processing has become possible, and the "Rionet series" has evolved as the next-generation real-time communication device. New features in the Rionet engine expand your world of hearing.



A lineup that can be used from mild to profound hearing loss

	Mild hearing loss		Moderate hearing loss			Severe hearing loss		Profound hearing loss	
Hearing level(dBHL)	25	30	40	50	60	70	80	90	100



HI-C3 type 25 to 75 dBHL



HI-C1 type up to 85 dBHL



HI-C2 type up to 90 dBHL



HI-G8 type up to 90 dBHL



HI-G7 type 50 to 110 dBHL



HB-A3 type EX small receiver up to 70 dBHL Medium receiver 25 to 85 dBHL



HB-A2 type EX small receiver up to 70 dBHL Medium receiver 25 to 85 dBHL



HB-W1 type EX power receiver 50 to 100 dBHL Medium receiver 25 to 85 dBHL



HB-A5 type Hook up to 95 dBHL S tube up to 80 dBHL



HB-A4 type Hook up to 95 dBHL S tube up to 80 dBHL



HB-A6 type Hook up to 95 dBHL S tube up to 80 dBHL

Hearing level(dBHL)	25	30	40	50	60	70	80	90	100
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Sound Spectrum Shaping (SSS typeR)

Easier to hear words

SSS typeR is a unique feature of Rion hearing aids that emphasizes the difference between the peak and dip of the frequency spectrum and makes the characteristics of each phoneme necessary for speech perception more prominent.

Judgment and emphasis / attenuation of peaks and dips are performed finely for each 250 Hz.



Feedback Canceller (AFBC typeR)

Suppresses annoying feedback

Feedback canceller (AFBC typeR) automatically makes unpleasant feedback difficult to occur. For example, feedback that often occurs when you make a call is suppressed, so you can enjoy the conversation over the phone.

Feedback occurs when the sound output from the hearing aid is picked up by the hearing aid microphone again and becomes amplified repeatedly. AFBC type R uses the anti-phase method and the frequency shifting method to suppress the acoustic feedback. By using anti-phase method, it is possible to increase the user's gain by 22 dB, and using these two methods, it is possible to increase by 25 dB.



Image of the anti-phase method

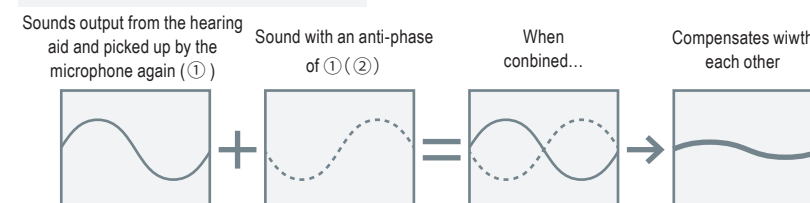
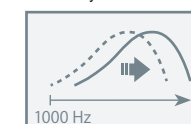


Image of the frequency shifting method

When the sounds are outputted from the hearing aid, the sounds of approximately 1000 Hz or above are shifted by 20 Hz.



Noise reduction (NR typeR)

Comfortable listening even in noisy environments

The reduction of noise such as traffic noise and air conditioner noise enables the user to wear their hearing aids comfortably.

The detailed processing is performed in 32 bands for environmental analysis. Also, in an environment where there is a conversation, the amount of noise reduction is changed not to affect the conversational voice.





Pulse Noise Suppressor (PNS)

Suppresses sudden impulsive sounds

Hearing aid users are often annoyed by the sudden sounds (impulsive sounds), which they encounter in their daily lives, such as the clatter of dishes during a meal. The PNS detects these noises and suppresses the uncomfortable impulsive sounds and noises selectively, without affecting the conversation sounds and environmental sounds, which are originally required.



Directionality

Easier to hear conversation from the front

The directional function suppresses surrounding sounds (from the side and back), making it easier to hear the front conversation voice. In addition, adaptive directivity follows and suppresses the sound even if the sound from the back or the side moves.

Examples of effect of directionality

- While watching TV, when you hear the sound of vacuuming behind you
- When you are anxious about the sound of the dishwasher behind you while talking with your family

For installed models, refer to P.44-45



Wind Noise Reduction

Reduces annoying wind noise

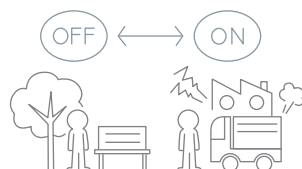
When you are outdoors such as a walk or golf, if the microphone is exposed to the wind, turbulence will occur and it will be a big noise. Wind noise reduction is a function that detects and reduces wind noise.



Automatic Mode Change (AMC typeR)

Supports changes of the sound environment

"Automatic mode switching (AMC)" statistically analyzes the characteristics of the sound and automatically switches to a setting that is more suitable for the sound environment.



Wireless items

Wireless adapter

For installed models, refer to P.44-45

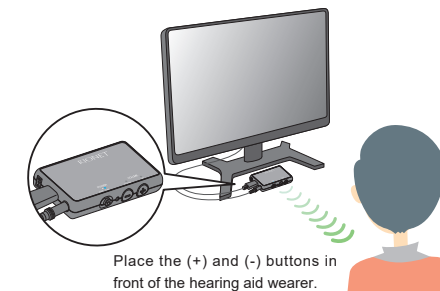
For comfortable listening to TV and meeting speakers

Wireless Adaptor (RH-05)

TV listening

You can enjoy watching TV with people around you.

By connecting the wireless adapter to your TV, you will be able to hear the TV sound directly in your hearing aid.



Place the (+) and (-) buttons in front of the hearing aid wearer.



Meeting and lecture

Sound can reach your hearing aids directly, even when you're far away.

The wireless microphone function makes it easy to hear distant sounds in meetings and lectures.

It can also be used as an FM hearing aid by connecting an FM receiver.



When use it with Clip



When use it with strap

*Strap is not included. Please use a commercially available product.



Wireless Adapter RH-05 (Sold separately)



Wireless items

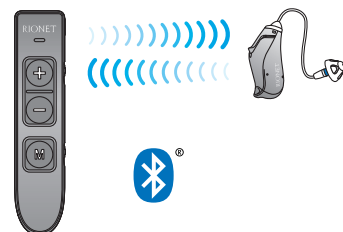
Remote control and Smartphone app

For installed models, refer to P.44-45

With Bluetooth®*1 wireless technology, you can control the volume and memory of your hearing aid.
You can choose either a remote control or a smartphone app.

A compact type that is easy to carry Stick Remote Control (RH-06)

- Volume adjustment and memory switching are possible.
- Binaural communication*2 via remote control is possible.
- A key lock function is provided to prevent incorrect operation.



Stick Remote Control
RH-06 (Sold separately)

Easier to operate with a smartphone app Smart control*3 (Free)

- You can adjust the volume of the hearing aid, switch memory, and switch mute.
- You can display the battery level of your hearing aid.
- Binaural synchronization*2 via the application is possible.
- When the hearing aid is lost, the estimated position of the hearing aid can be displayed.
- Your hearing aid will notify you of incoming calls.

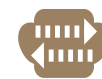


* Google Play and the Google Play logo are trademarks of Google LLC.

*1 The Bluetooth® word mark and logo are registered trademarks owned by Bluetooth SIG, Inc., and Rion Co., Ltd. uses these marks under license.

*2 If you operate either the left or right hearing aid, the other hearing aid will work together.

*3 Smart control is a smartphone app exclusively for Android. Please check the Google Play Store or the 2D barcode above for compatible devices.



Binaural synchronization

Easy operation with hearing aids for both ears

For installed models, refer to P.44-45

If you are using the hearing aid with both ears, send the memory or volume setting information of right (or left) hearing aid to the left (right) hearing aid via the stick remote control or smart control and set the same settings for both ears. Also, when muting with the memory switch button of the hearing aid body, the both hearing aids are synchronized. The stick remote control or smart control and the hearing aids must be in communication.



Auto Adjust Phone

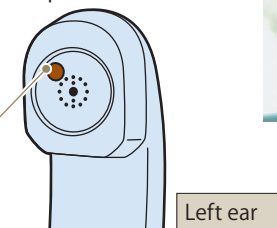
Easire to hear on terephone

For installed models, refer to P.44-45

Auto Adjust Phone is a function that the memory of the hearing aid is automatically switched to the "phone" only by bringing the handset close to the ear wearing the hearing aid. In order to use this function, you should attach "Magnet fro Auto Adjust Phone (sold separately)" to the telephone handset.

Magnet for
Auto Adjust Phone

Attach the magnet to the
telephone handset.



Main function comparison

The number of ★ shows the height of the function.

	Premience	Premience V
Can be fine-tuned to fit your hearing. (Channel number for GAIN-CRC-OPC-TK)	12-8-12-8	10-4-10-4
Can be used in various environment. (number of memories)	★★	★

Model List

Memory button
(Charged option)

Volume control*
(Free option)

Volume control*
(Free option)

Volume control*
(Free option)

Volume control*
(Free option)

*Only memory button is available when wireless function is installed.

Custom-made
Invisible-In-Canal
(IIC)

Custom-made
Completely-In-Canal
(CIC)

Custom-made
In-The-Canal
(ITC)

Custom-made
In-The-Canal
(ITC)

Custom-made
In-The-Ear
(ITE)

Premience	HI-C3AC	HI-C1AC	HI-C2AC	HI-G8AC	HI-G7AC
Premience V	HI-C3AD	HI-C1AD	HI-C2AD	HI-G8AD	HI-G7AD
Wireless function	N/A	N/A	Available	Available	Available
Battery	10 (PR536)	10 (PR536)	312 (PR41)	312 (PR41)	13 (PR48)
Battery life (Unit: hours) (When used continuously)	70 to 85	65 to 90	105 to 140* 115 to 165* ₂	100 to 140* 110 to 165* ₂	185 to 230* 210 to 265* ₂

• Battery life varies depending on usage conditions.

EX small receiver

Medium receiver

EX power receiver

Medium receiver

S tube

GOOD DESIGN

GOOD DESIGN

GOOD DESIGN

GOOD DESIGN

GOOD DESIGN

GOOD DESIGN

BTE (RIC)	BTE (RIC)	BTE (RITE)	BTE (Hook / S tube)	BTE (Hook / S tube)	BTE (Hook / S tube)
HB-A3AC	HB-A2AC	HB-W1AC	HB-A5AC	HB-A4AC	HB-A6AC
HB-A3AD	HB-A2AD	HB-W1AD	HB-A5AD	HB-A4AD	HB-A6AD
312 (PR41)	312 (PR41)	13(PR48) ³	312 (PR41)	312 (PR41)	13(PR48)
EX small / Medium 155 / 150	EX small / Medium 135 / 130	EX power / Medium 250 / 220 (13(PR48))	Hook / S tube 150 / 135	Hook / S tube 130 / 120	Hook / S tube 175 / 180 (13(PR48))

*1 When wireless function is equipped *2 When wireless function is not equipped

Color variations for custom-made hearing aids

- Faceplate
 - HI-C3 type
- Color shell
 - HI-C3 type, HI-C1 type



Color variations for BTE

•HB-A3 type



•HB-A2 type



•HB-W1 type



Only available for Premience

•HB-A5 type



•HB-A4 type



•HB-A6 type

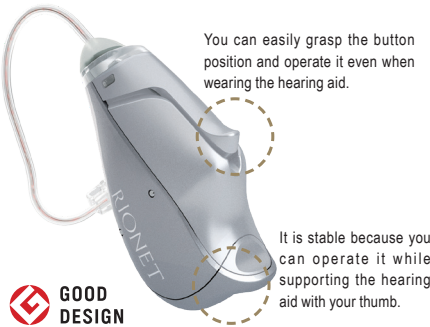


Only available for Premience

Pursuing a balance between design and operability

The case design that is well-designed in detail

The case design of the BTE type hearing aid has a slim shape that suppresses the overall volume. In addition, a protrusion is provided so that it is easy to operate the buttons while wearing the hearing aid and the position can be grasped only by the feeling of the fingertip. It is a design that has calculated the balance between design and operability.



GOOD DESIGN

Function List

Model		GAIN (Band)	CRC (Channel)	OPC (Channel)	TK (Channel)	Sound Enhancement SSSR	Wind Reduction	Noise Reduction NR	Pulse Noise Suppression PNS	Directionality	Feedback Canceller AFBC	Automatic Mode change AMC	Wireless Function
Rionet Series Premium	Custom-made type	HI-C3AC	12	8	12	8	SSS typeR	NR typeR	◎	—	AFBC typeR	AMC typeR	—
	Behind-the-ear type	HI-C1AC	12	8	12	8	SSS typeR	NR typeR	◎	—	AFBC typeR	AMC typeR	—
		HI-C2AC	12	8	12	8	SSS typeR	NR typeR	◎	—	AFBC typeR	AMC typeR	○
		HI-G8AC	12	8	12	8	SSS typeR	NR typeR	◎	Fixed/Adaptive1,2	AFBC typeR	AMC typeR	○
		HI-G7AC	12	8	12	8	SSS typeR	NR typeR	◎	—	AFBC typeR	AMC typeR	○
		HB-A3AC	12	8	12	8	SSS typeR	NR typeR	◎	Fixed/Adaptive1,2	AFBC typeR	AMC typeR	—
		HB-A2AC	12	8	12	8	SSS typeR	NR typeR	◎	Fixed/Adaptive1,2	AFBC typeR	AMC typeR	◎
		HB-W1AC	12	8	12	8	SSS typeR	NR typeR	◎	Fixed/Adaptive1,2	AFBC typeR	AMC typeR	—
		HB-A5AC	12	8	12	8	SSS typeR	NR typeR	◎	Fixed/Adaptive1,2	AFBC typeR	AMC typeR	—
		HB-A4AC	12	8	12	8	SSS typeR	NR typeR	◎	Fixed/Adaptive1,2	AFBC typeR	AMC typeR	◎
		HB-A6AC	12	8	12	8	SSS typeR	NR typeR	◎	Fixed/Adaptive1,2	AFBC typeR	AMC typeR	◎
Rionet Series Premium V	Custom-made type	HI-C3AD	10	4	10	4	SSS typeR	NR typeR	◎	—	AFBC typeR	AMC typeR	—
	Behind-the-ear type	HI-C1AD	10	4	10	4	SSS typeR	NR typeR	◎	—	AFBC typeR	AMC typeR	—
		HI-C2AD	10	4	10	4	SSS typeR	NR typeR	◎	—	AFBC typeR	AMC typeR	○
		HI-G8AD	10	4	10	4	SSS typeR	NR typeR	◎	Fixed/Adaptive1,2	AFBC typeR	AMC typeR	○
		HI-G7AD	10	4	10	4	SSS typeR	NR typeR	◎	—	AFBC typeR	AMC typeR	○
		HB-A3AD	10	4	10	4	SSS typeR	NR typeR	◎	Fixed/Adaptive1,2	AFBC typeR	AMC typeR	—
		HB-A2AD	10	4	10	4	SSS typeR	NR typeR	◎	Fixed/Adaptive1,2	AFBC typeR	AMC typeR	◎
		HB-W1AD	10	4	10	4	SSS typeR	NR typeR	◎	Fixed/Adaptive1,2	AFBC typeR	AMC typeR	—
		HB-A5AD	10	4	10	4	SSS typeR	NR typeR	◎	Fixed/Adaptive1,2	AFBC typeR	AMC typeR	—
		HB-A4AD	10	4	10	4	SSS typeR	NR typeR	◎	Fixed/Adaptive1,2	AFBC typeR	AMC typeR	◎
		HB-A6AD	10	4	10	4	SSS typeR	NR typeR	◎	Fixed/Adaptive1,2	AFBC typeR	AMC typeR	◎

1: The magnetic memory switching function is installed only in the HI-C1 type. ◎ is standard equipment. ○ is a free option. △ is a paid option.

Binaural Synchronization	Data Logging DL	Multi Memory (Number) MM	Start memory Setting SM	Mute Function	Auto Adjust Function おまかせ	Induction Coil	Audio Input	Waterproof Function OK!	Start Time Setting	Beep Sound	Measures against Smartphone Noise	Sweat resist- ance coating	Either way Circuit
—	◎	—	—	—	—	—	—	—	◎	Pure tone	◎	◎	◎
—	◎	△ (4)	△	△	◎ ^{*1}	—	—	—	◎	Pure tone	◎	◎	◎
○	◎	◎ (4)	◎	◎	◎ ^{*1}	—	—	—	◎	Pure tone	◎	◎	◎
○	◎	◎ (4)	◎	◎	◎ ^{*1}	—	—	—	◎	Pure tone	◎	◎	◎
○	◎	◎ (4)	◎	◎	◎ ^{*1,11}	—	△	—	◎	Pure tone	◎	◎	◎
—	◎	◎ (4)	◎	◎	◎ ^{*1,11}	—	—	—	◎	Pure tone	◎	◎	◎
◎	◎	◎ (4)	◎	◎	◎ ^{*1}	—	—	—	◎	Pure tone	◎	◎	◎
◎	◎	◎ (4)	◎	◎	◎ ^{*1}	—	—	—	◎	Pure tone	◎	◎	◎
◎	◎	◎ (4)	◎	◎	◎ ^{*1}	◎	—	—	◎	Pure tone	◎	◎	◎
—	◎	—	—	—	—	—	—	—	◎	Pure tone	◎	◎	◎
—	◎	△ (4)	△	△	◎ ^{*1}	—	—	—	◎	Pure tone	◎	◎	◎
○	◎	◎ (4)	◎	◎	◎ ^{*1}	—	—	—	◎	Pure tone	◎	◎	◎
○	◎	◎ (4)	◎	◎	◎ ^{*1}	—	—	—	◎	Pure tone	◎	◎	◎
○	◎	◎ (4)	◎	◎	◎ ^{*1}	—	△	—	◎	Pure tone	◎	◎	◎
—	◎	◎ (4)	◎	◎	◎ ^{*1}	—	—	—	◎	Pure tone	◎	◎	◎
◎	◎	◎ (4)	◎	◎	◎ ^{*1}	◎	—	—	◎	Pure tone	◎	◎	◎
◎	◎	◎ (4)	◎	◎	◎ ^{*1}	◎	—	—	◎	Pure tone	◎	◎	◎
◎	◎	◎ (4)	◎	◎	◎ ^{*1}	◎	—	—	◎	Pure tone	◎	◎	◎