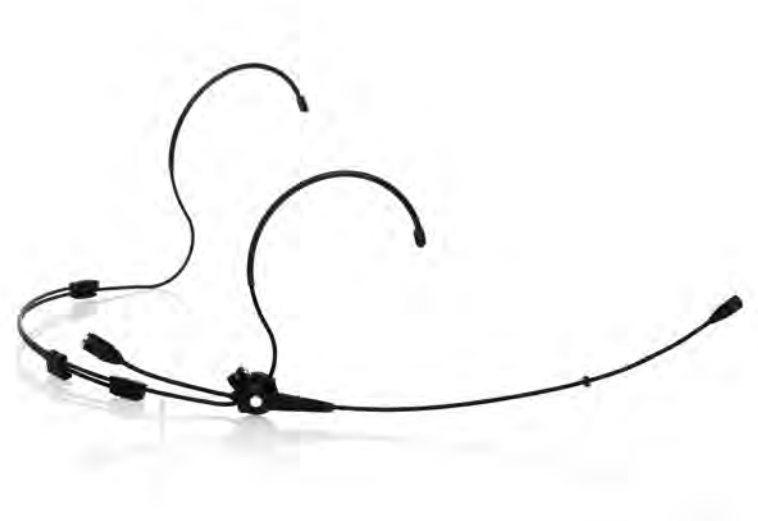
HS1

HEADSET

INSTRUCTION MANUAL



RØDE
MICROPHONES

www.rodemic.com



INTRODUCTION

Thank you for investing in the RØDE HS1 Headset microphone.

Whether you're presenting for television or live on-stage, in a 20,000 seat auditorium or in a house of worship, RØDE has your needs covered with the reliable and intuitive HS1.

Featuring the pure, clear audio and low handling noise that RØDE is celebrated for, the HS1 Headset is built to deliver and to last.
Subtle, ergonomic design including three axes of mechanical adjustment, malleable tube arm and ultra lightweight headband ensure the perfect fit for each individual.

Knowing that versatility is paramount in any product, we at RØDE have developed the MiCon™ connector system which provides seamless integration between the HS1 Headset and a wide range of wireless systems.

Please take the time to visit www.rodemic.com and register your microphone for warranty.



Peter Freedman
RØDE Microphones
Sydney, Australia

FEATURES

ERGONOMIC DESIGN

- Ultra discreet appearance
- Three axes of mechanical adjustment for perfect fit
- Malleable tube arm and headband for fine adjustment
- Ultra lightweight construction for complete comfort
- Right or left side configuration
- Incorporated cable management system

HIGH QUALITY PERFORMANCE

- Ø3.4 mm (Ø0.144") miniature microphone
- Corrosion resistant stainless steel tube arm
- Incorporated moisture control belt to minimise sweat contacting the capsule
- Low handling noise

UNIVERSAL COMPATIBILITY

- RØDE MiCon™ connector system provides seamless integration with a wide range of wireless systems while maintaining discreet and unobtrusive appearance
- Gold plated connections

HS1 & ACCESSORIES

1. RØDE HS1 Headset
2. Anti-trauma water resistant storage case
3. Water resistant pop filter
4. Mini-furry for high wind protection
5. Shielded, detachable Kevlar® reinforced cable
6. Lapel-style cable management clip
7. Adjustment tools
8. Sanitary cleansing wipes

Compact, interchangeable MiCon™ adaptors available to suit industry standard wireless systems*

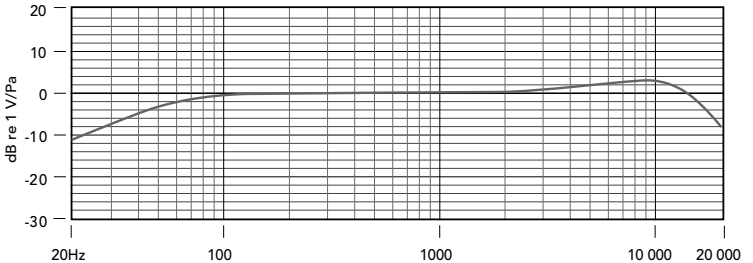


*MiCon™ adaptors sold separately - see rodemic.com/hs1 for a full list of compatibility

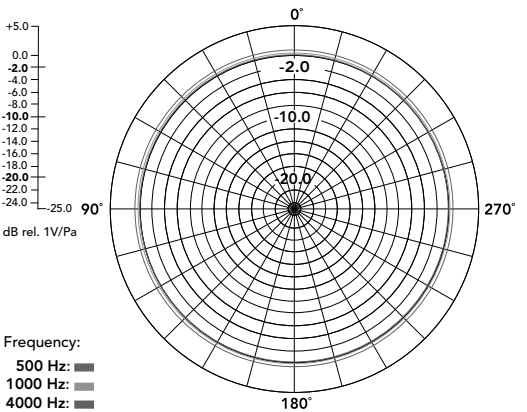
SPECIFICATIONS

Acoustic Principle:	Permanently polarised condenser
Directional Pattern:	Omni-directional (see graph)
Frequency Range:	60 Hz ~ 18 KHz (see graph)
Output Impedence:	3k Ω Typical
Signal To Noise Ratio:	58 dBA
Equivalent Noise:	36 dBA SPL (per IEC651)
Clipping SPL:	122 dB
Maximum Output:	189 mV**
Sensitivity:	-47.2 dB re 1 V/Pa (21mV @ 94 dB SPL) ± 3 dB @ 1 kHz
Dynamic Range:	86 dB Typical**
Power Requirements:	Min 2V ~ Max 5V through RØDE wireless adaptors P48 through RØDE XLR adaptor
Output Connection:	RØDE MiCon™ connector

FREQUENCY RANGE

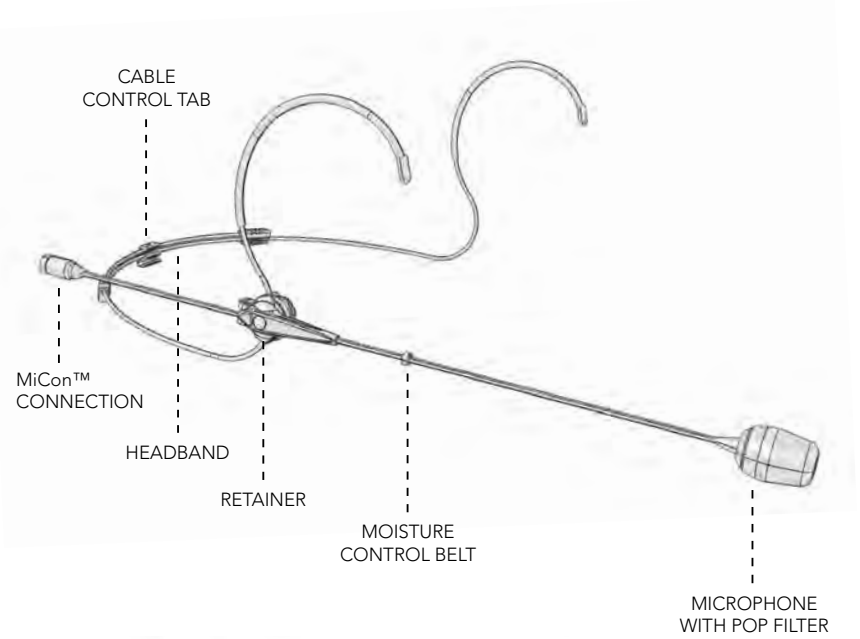


POLAR RESPONSE



** Calculated from maximum SPL peak before clipping.
All measurements are calculated when powered at 5V or P48 (RØDE XLR adaptor)

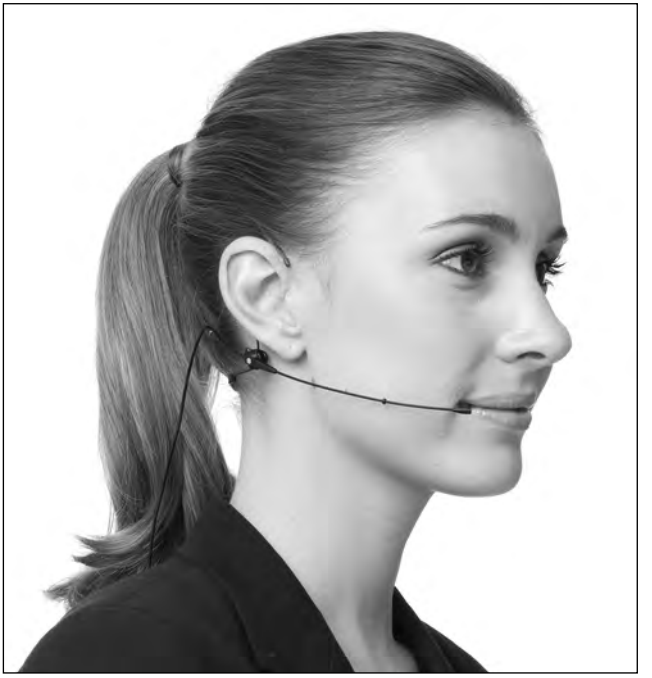
HS1 STRUCTURE





MIC PLACEMENT

For the best performance, the HS1 microphone should be positioned just at the corner of the mouth, as close as possible without being in front of the user's mouth.

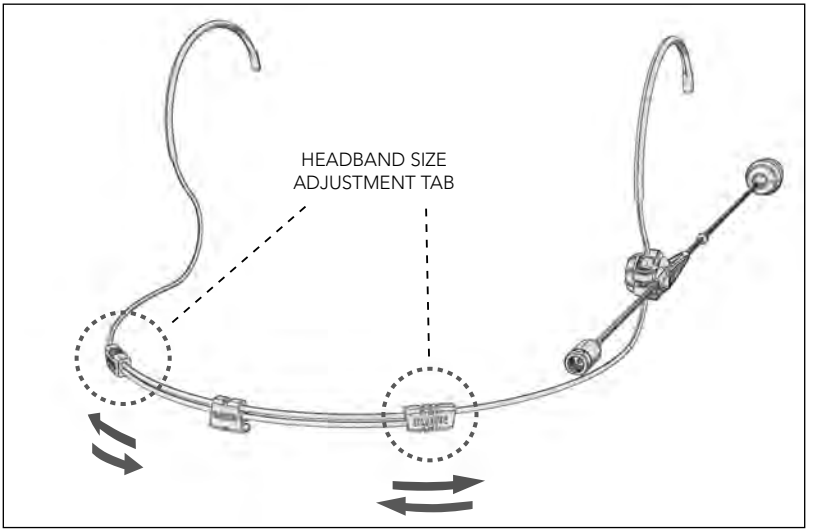


This ensures that the mic is in close proximity to the sound source without being exposed to possible plosives (gusts of wind noise caused by hard sounds such as 'p' or 't'.)

FITTING YOUR HS1

The RODE HS1 has been designed with complete adjustability in mind, ensuring maximum comfort and security of fit for each user. Three axes of movement configure the microphone placement for optimal audio quality.

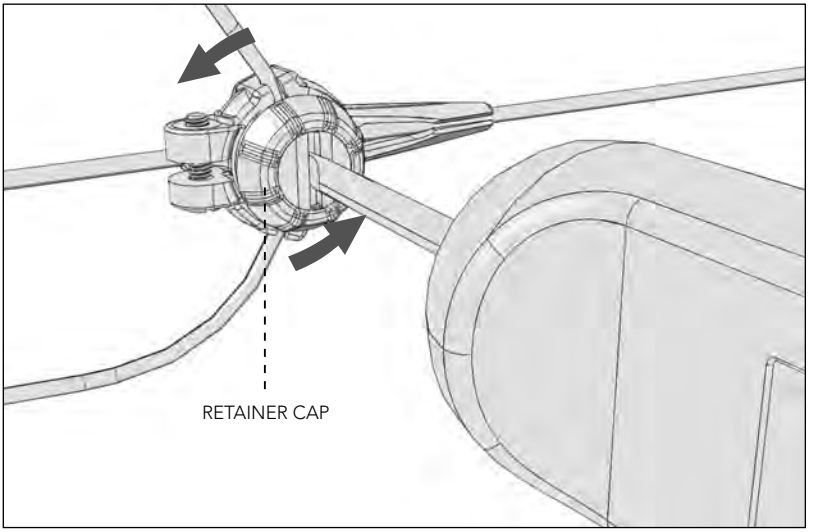
To custom fit the HS1, you may wish to try on the microphone first. Hook the headband over your ears and the size of the headband can be controlled by pushing or pulling the left and right tabs along the rear of the headset.



Once the current fit is assessed, make any of the following alterations to the microphone as necessary.

ADJUST THE HEIGHT OF THE HS1

To place the retainer at the ideal position just below and behind the ear lobe, change the position of the retainer on the headband wire. To re-position, loosen the retainer cap using the screwdriver provided in your HS1 case. You will not need to unscrew the retainer cap completely to allow movement. Once satisfied with the height of the retainer on the headband, tighten the retainer cap back in place.

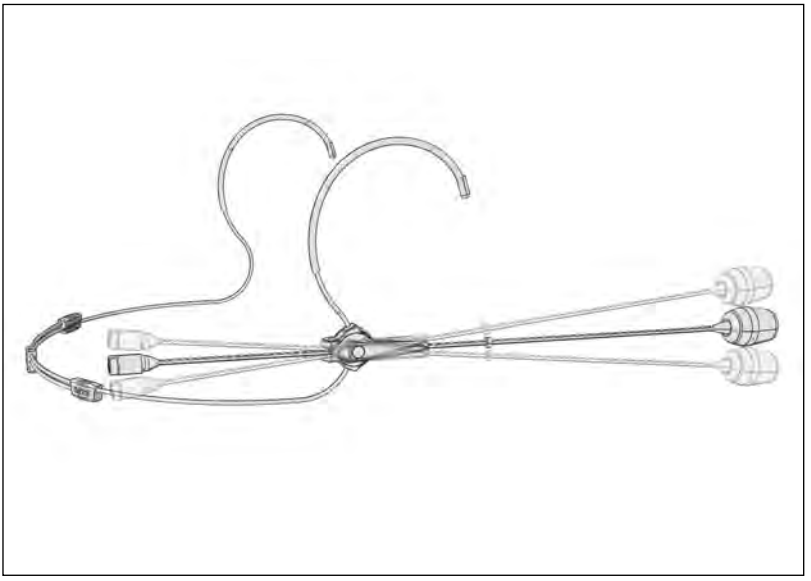


Loosening the retainer cap with provided RØDE screwdriver

FITTING YOUR HS1

PIVOT THE HS1

You may adjust the proximity of the microphone to your mouth by pivoting the mic. Push the microphone up or down at the retainer to create a rotating movement until you find the angle that positions the HS1 microphone closest to your mouth. 300 degrees of rotation allows for the best possible positioning.

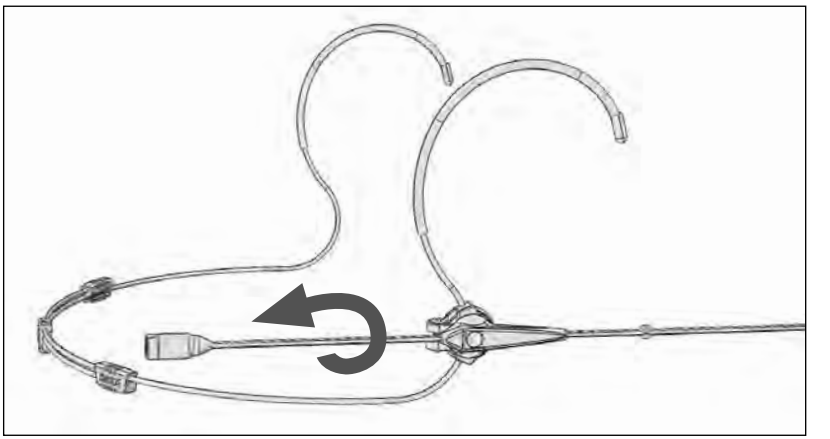


Pivot the HS1 in a rotating movement

ADJUST THE LENGTH OF THE HS1

If the HS1 is extending beyond your mouth, or is not in close enough proximity to it, you may alter the length by pushing or pulling the body through the retainer.

Firstly, ensure the retainer cap has been loosened, but not removed completely. Hold the mic body at the connector end and twist 90° (1/4 turn) to unlock it from the retainer clasp. The push/pull motion is controlled by friction so apply a little force if required. If necessary, twist the microphone body back and forth while pushing/pulling to encourage the mic body through the retainer and create the desired length. When adjustment has been completed, tighten the retainer cap securely into place.



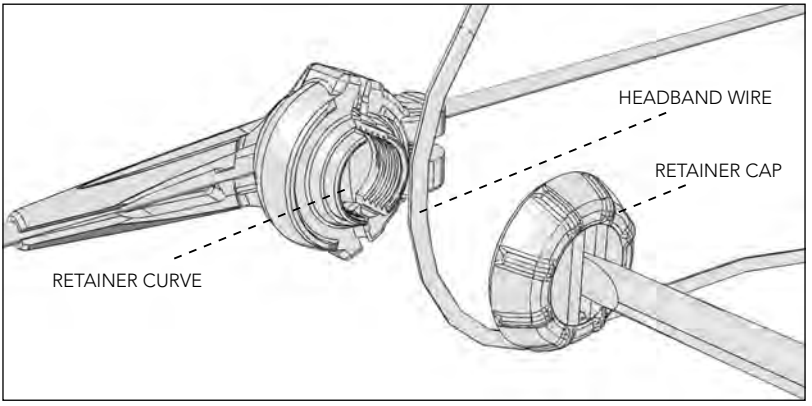
Push or pull the body of the HS1 through the retainer clasp using a twisting motion

FITTING YOUR HS1

LEFT/RIGHT CONFIGURATION OF HS1

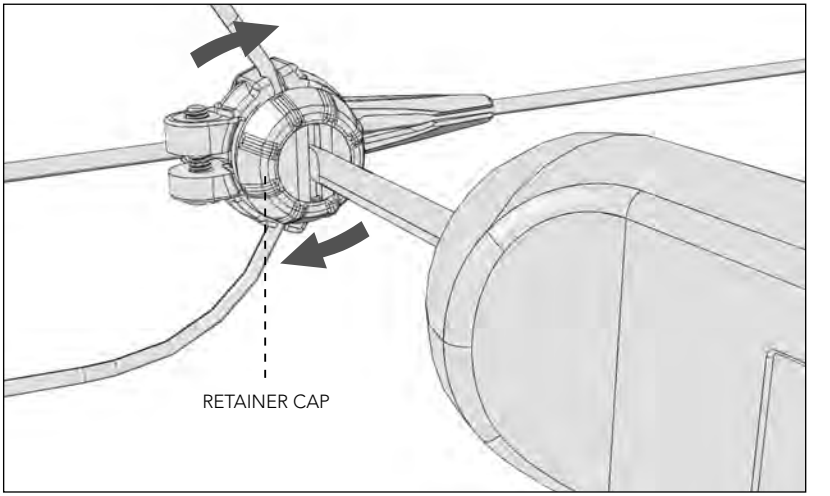
Depending on personal preference, the HS1 can sit at either the left or right hand side of the mouth. To change left/right configuration, unscrew the retainer cap completely using the screwdriver provided. (This is best done over a table or work surface to ensure no parts are misplaced).

Ease the microphone to the left and right until it releases from the headband wire completely.



Completely unscrew the retainer cap

On the opposite side of the headband, snap the microphone into place, matching the curves of the inside of the retainer to the shape of the headband wire. Return the retainer cap and screw back into place.



Re-position the HS1, then screw the retainer cap back into place

ERGONOMIC ADJUSTMENT

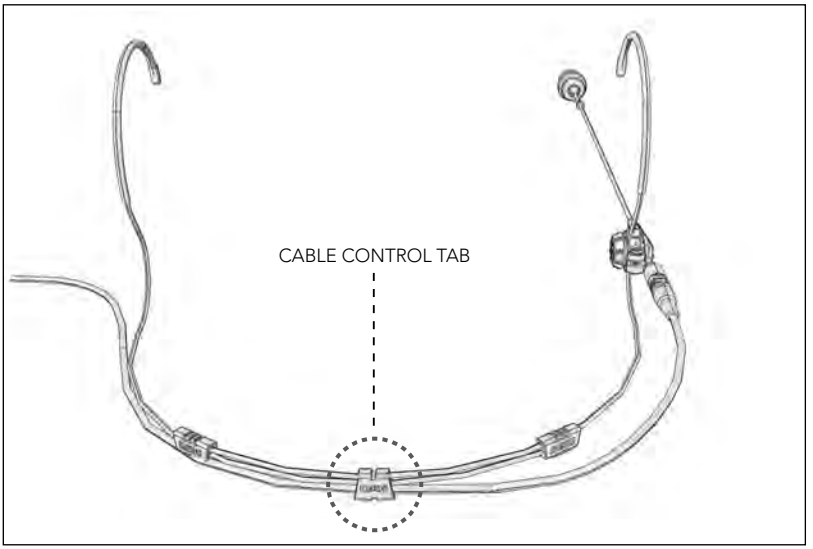
For further ergonomic adjustment, you may bend the microphone tube along the body and adapt its shape. This allows the microphone to suit the contours of an individual face for complete compatibility with the wearer.

Note: The HS1 tube arm is designed to be resilient and malleable for optimal adjustment. However it is not recommended that the microphone tube be bent using sharp objects or at extreme angles. A smooth repetitive bend using the tips of your fingers to coax the frame will be sufficient in contouring the microphone to your face.

CONNECTOR AND CABLE

The HS1's connections have been designed using the RØDE MiCon™ connector system, which provides seamless integration with a wide range of wireless systems for your convenience, while maintaining the headset's discreet appearance. (MiCon™ adaptors sold separately – see rodemic.com/hs1 for a full list of compatibility)

To connect the HS1 to your MiCon™ cable, screw either end of the cable to the MiCon™ connection at the end of the microphone tube. To prevent tangling, clip the cable into the groove in the cable control tab at the back of the headband.

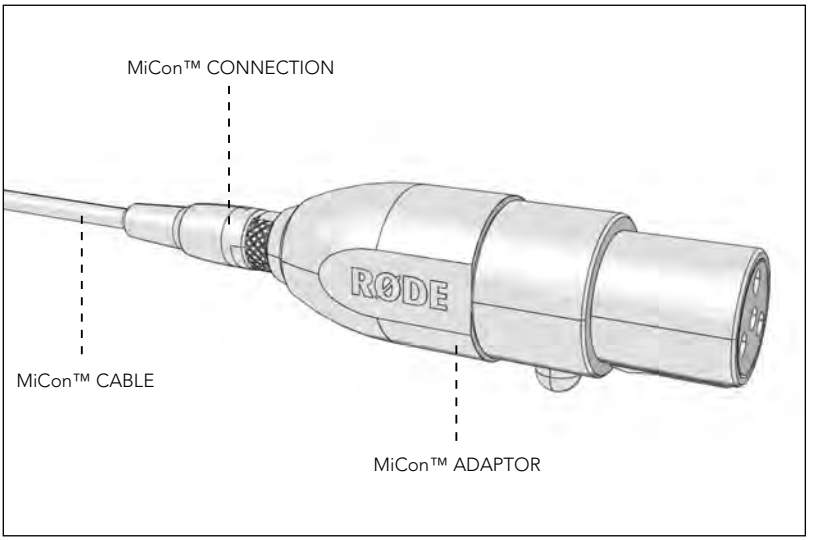


Prevent tangling by clipping the cable into your cable control tab

CONNECTOR AND CABLE

Then, attach the corresponding adaptor for your wireless system to the remaining connection on your MiCon™ cable, and plug in to your wireless system (MiCon™ adaptors sold separately).

For further management, excess cable can be threaded through the groove in the cable management clip provided. Loop through the peg as many times as necessary, and peg to the user's clothing.



RØDE MiCon™ cable and adaptor

INCLUDED ACCESSORIES

WATER RESISTANT POP FILTER

The pop filter is an optional attachment to your HS1 which reduces plosives (gusts of wind noise caused by hard sounds such as 'p' or 't'.) It is also strongly recommended you use your pop filter to protect the HS1 in any extreme environments which are overly dusty or moist to prevent damage to the mic.

To correctly fit your pop filter, slide the filter over the microphone head until it reaches the first groove. Pushing the filter any further down will result in decreased protection of the capsule.



Mic with no wind protection



Mic with pop filter

MINI-FURRY

For increased wind protection, a mini-furry windshield is provided with the HS1. The windshield is ideal for situations such as outdoor performances, where wind noise may distort the audio quality of the mic.

To fit, simply slide the mini-furry over the microphone head until it reaches the first groove. Ensure the fur is fluffed up in all directions for maximum effectiveness.



Mic with mini-furry

STORAGE AND CARE

When not in use, always keep your HS1 in the storage case provided. Close and snap the storage case for complete protection.

If you find you cannot open the case even after snapping open the clips (for example following a flight), turn the dial at the front of the case slowly, in the direction marked 'open'. This will equalise the air pressure in the case and allow it to open.



STORAGE AND CARE

Inside the case, you will find a sachet of moisture absorbent crystals. Please retain these crystals and store with the HS1 to keep the microphone in ideal condition.

Eventually this pack of crystals will need to be dried. This is indicated by the crystals turning pink in colour. They can easily be re-used by placing them in an oven at 100-150 degrees Celsius for approximately ten minutes. The crystals will operate effectively again once they have turned blue.

In some cases, such as when there are multiple users of the HS1, you may wish to sanitise the microphone. To do this, use the provided Sanitary Cleansing Wipes to wipe down the HS1 surface. You may wish to detach the microphone from the headband wire for easier access.

Please be mindful when cleaning the HS1 not to let any dust or moisture into the microphone capsule.



SUPPORT

If you experience any problem, or have questions regarding your microphone, first contact the dealer who sold it to you. We have an extensive dealer network to assist you.

If you have difficulty getting the advice or assistance you require from the dealer, do not hesitate to contact us directly via the details below.

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TECHNICAL SUPPORT

For information and technical support please visit
www.rodemic.com/support

