

HY-1001

PAIR INTERCOM · FULL-DUPLEX · 800 M

**2**

RIDERS

800 m

RANGE

18 h

TALK

IP65

SEALED

USER MANUAL · ENGLISH

A full-duplex pair intercom for rider and passenger or two bikes: Qualcomm Bluetooth 5.1 with CVC + DSP noise cancelling, IP65 sealing and 18 hours of talk time.

Please read this manual before first use and keep it for future reference.

1 Important Safety Information

Ride first. Traffic awareness always takes priority over any conversation, music or call. Set volume so you can still hear your surroundings, and operate the headset only when it is safe. Follow all local laws on headset use while riding.

Battery. Built-in lithium battery: do not disassemble, crush, puncture or expose to fire. Charge only with the supplied Type-C cable from a DC 5 V USB source. Stop using the unit if the housing is damaged.

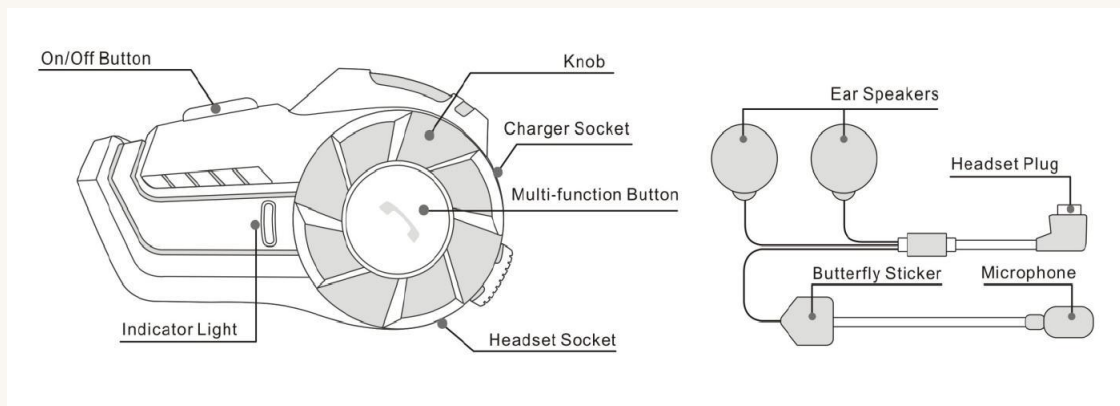
Temperature. Rated working temperature -4°F to 122°F (-20°C to 50°C). Do not leave the unit in direct sun in a closed vehicle or near heat sources.

Water resistance. IP65 — sealed against dust and low-pressure water jets (rain, spray). Not for submersion. Never charge with a wet port.

Mounting. Fit the unit, speakers and microphone so they never interfere with the helmet's protective function or your field of view.

Disposal. Dispose of the product and battery as electronic waste per local regulations.

2 Your HY-1001 at a Glance



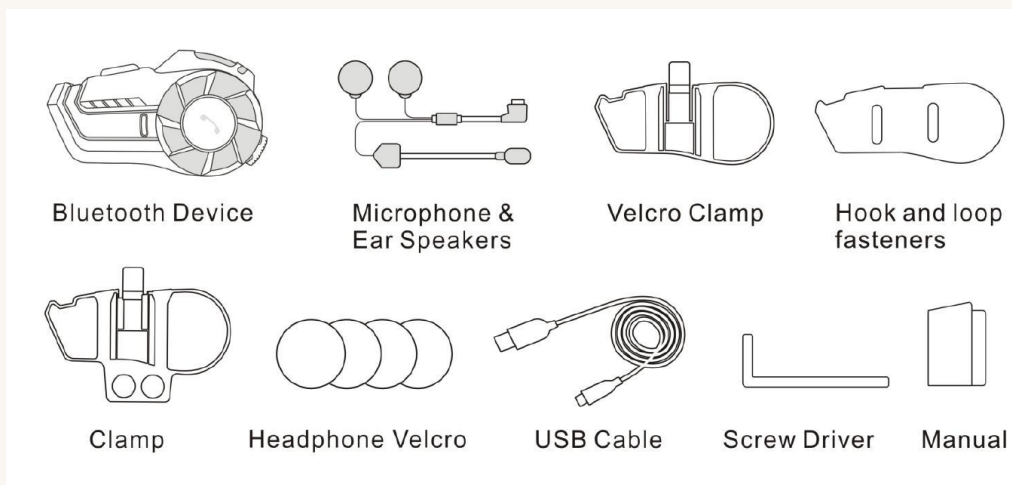
HY-1001 at a glance — unit and headset

- 1 · On/Off button
- 2 · Knob
- 3 · Charging socket (Type-C)
- 4 · Multi-function button
- 5 · Headset socket
- 6 · Indicator light
- 7 · Speakers
- 8 · Headset plug
- 9 · Microphone
- 10 · Butterfly sticker

Indicator reference

INDICATOR	MEANING
Blue, flashing	Standby / powered on
Blue, slow flash (both units)	Intercom paired and connected
Red + blue, alternating	Bluetooth pairing mode
Red, two slow flashes	Powering off
Red, steady while charging	Charging — goes out slowly when full

3 What's in the Box

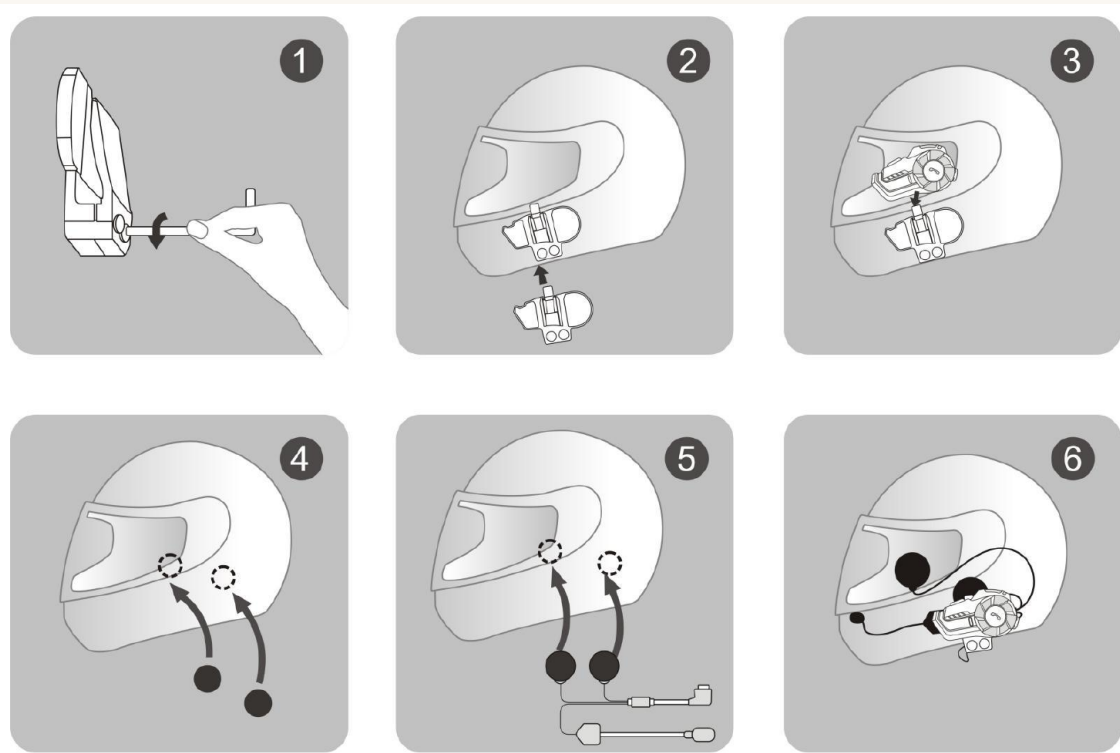


Package contents

- HY-1001 main unit
- Microphone & headset
- Clamp mount
- Velcro clamp
- Hook-and-loop fasteners × 4
- Speaker velcro × 4
- USB charging cable
- Screwdriver
- User manual

4 Installing on Your Helmet

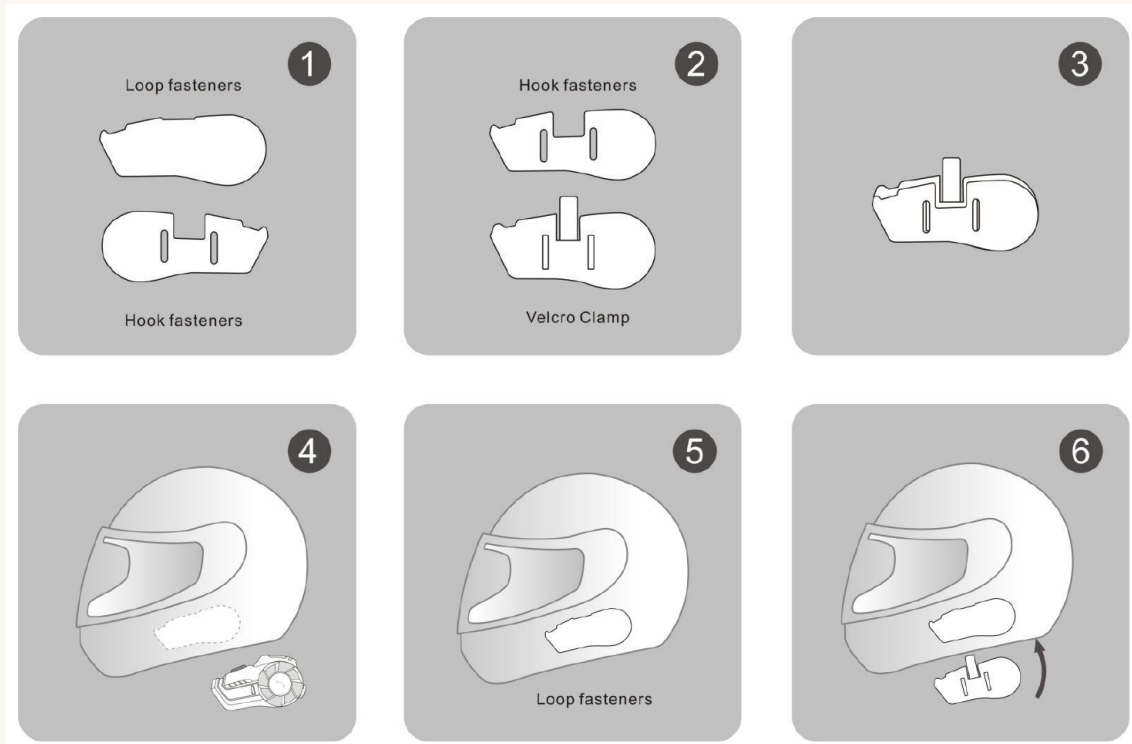
■ Option 1 — plastic clamp



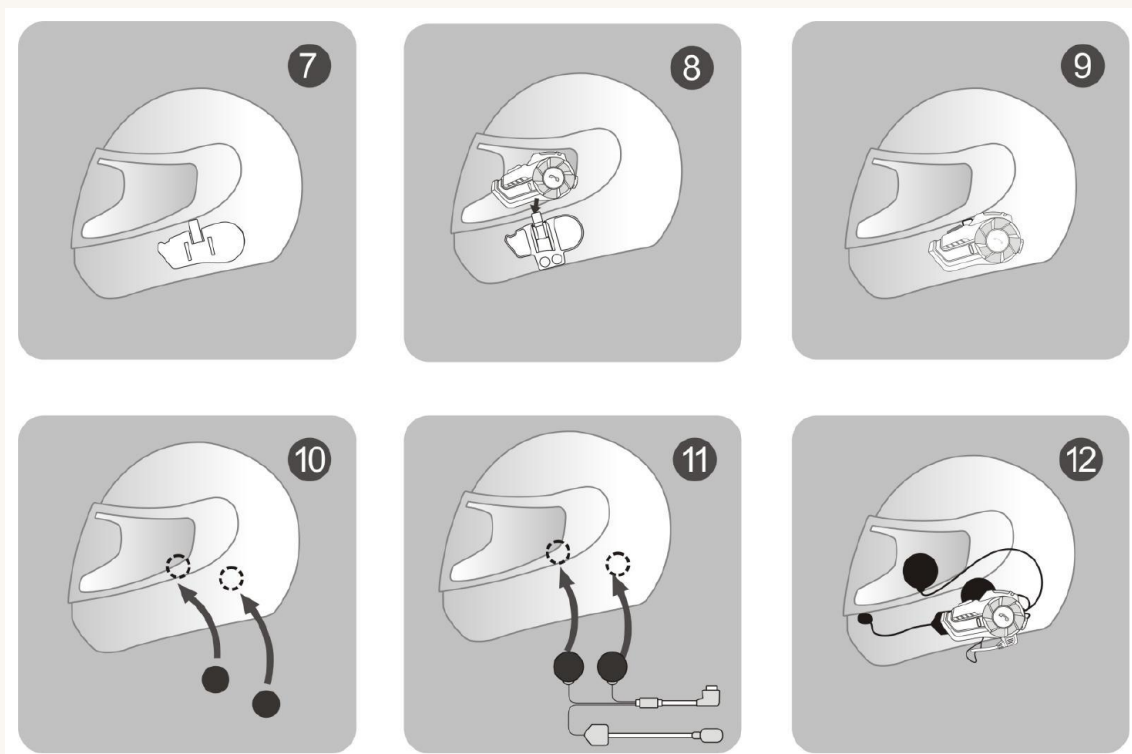
Clamp mounting, steps 1–6

1) Loosen the back-clip screws with the supplied screwdriver. 2) Open the helmet liner and insert the clip on the LEFT side of the helmet; tighten the screws (not too tight — it can damage the clip or helmet). 3) Slide the unit into the clip slot until it locks. 4) At the ear pockets, clean the EPS surface and stick a speaker velcro pad on each side, close to your ears. 5) Mount the speakers on the pads (short-cable speaker on the unit side), fix the microphone, tidy the liner and cable. 6) Plug the headset plug into the headset socket — done.

Option 2 — velcro mount



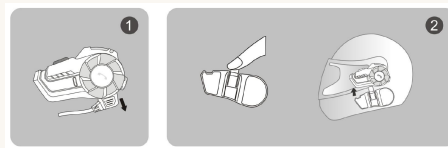
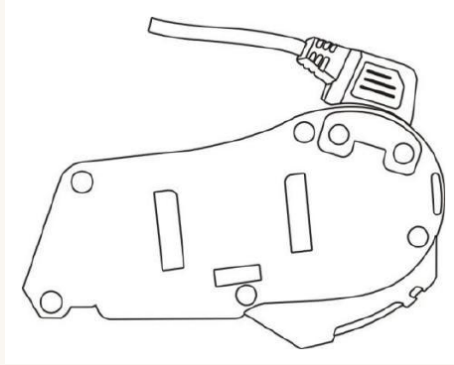
Velcro mounting, steps 1–6



Velcro mounting, steps 7–12

Stick the hook side to the velcro clip, position it on the helmet edge (check the unit's orientation), then stick the loop side in place. Slide the unit into the clip and lock it. Speakers and microphone mount the same way as Option 1.

Headphone-cable screw plug & quick removal

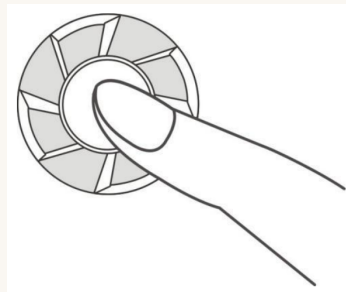


Cable clip flap · quick removal

A clip flap on the back reinforces the headset plug: unscrew it to insert or release the plug — never yank the cable. To remove the unit, unplug the headset cable, push the fixed buckle in the middle of the back clip toward the helmet with one finger, and slide the unit upward and out.

5 Controls & Everyday Use

■ Power on / off



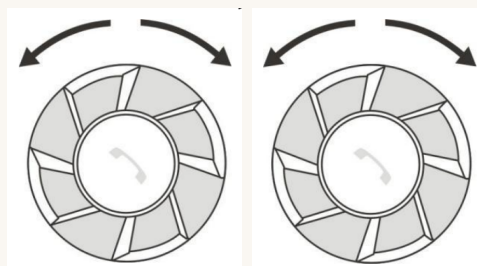
Power on: press and hold the On/Off key for 2 seconds — you hear the power-on tone and the blue light flashes; the unit enters standby.

Power off: press and hold the On/Off key for 5 seconds — you hear the power-off tone and the red light flashes slowly twice.

■ Phone controls

Answer a call: press the multi-function key once. **Auto-answer:** with no action for 8 seconds, the headset answers automatically. **Reject:** press and hold the multi-function key for 3 seconds until you hear a beep. **End a call:** press the multi-function key once during the call. **Redial last number:** in standby, double-click the On/Off key.

■ Music



Turn the knob to skip tracks; hold to change volume

Play / pause: with Bluetooth connected, press the multi-function key once. **Next track:** turn the knob counterclockwise one notch. **Previous track:** turn the knob clockwise one notch.

■ Volume

Turn the knob counterclockwise *and keep turning* to lower the volume; keep turning clockwise to raise it. Release at the level you want. An alert tone marks maximum and minimum volume.

■ FM radio

On: in standby, double-click the multi-function key. **Tune:** flick the knob quickly and release to step through channels (holding the knob adjusts volume instead). **Off:** double-click the multi-function key again to return to the previous mode.

NOTE · FM works best near a window or outdoors. If a call comes in during radio, the headset takes the call and returns to the radio when it ends.

■ Voice-prompt language

With the unit on, press and hold the On/Off key and the knob together to switch the prompt language (Chinese / English); each press moves to the next language.

6 Pairing & Intercom

■ Pair with your phone

Keep phone and headset within 1 m. 1) Power on and wait for startup to finish. 2) Press and hold the On/Off key for 2 seconds until red and blue flash alternately and you hear “Bluetooth pairing”. 3) On the phone, search Bluetooth devices and select **hysnox**. “Bluetooth connected” confirms success.

NOTE · Once paired, the headset reconnects to your phone automatically at power-on — no need to pair again.

■ Pair two headsets (intercom)

Keep both units within 1 m. 1) Power both on. 2) Put both into pairing mode (hold On/Off 2 s until red/blue alternate). 3) Press the On/Off key on **one** unit: its light flashes blue and you hear “intercom search”. After a few seconds both units flash blue slowly and you hear the pairing-success tone.

NOTE · Paired units remember each other: power both on and they reconnect automatically from standby within a few seconds.

■ Start / end the intercom

In standby, two paired units connect automatically — “intercom is connected” — and full-duplex talk begins. To end, hold the function key for 2 seconds (beep); hold 2 seconds again to reconnect.

NOTE · If the link drops from range or interference, it reconnects automatically for 5 minutes. After that, press the function key once to search and reconnect manually.

■ Switching modes

From intercom, hold the multi-function key 2 s (beep) to exit into music / FM. Double-click the multi-function key to toggle FM; single press toggles phone music. Hold 2 s again to return to intercom search. During intercom, an incoming call takes over automatically and the intercom resumes about 5 seconds after the call ends.

■ Function priority

Level 1: Phone · Level 2: Bluetooth intercom · Level 3: Music / FM radio

7 Battery & Charging

Charge with the supplied cable: Type-C end into the unit, USB end into a computer USB port, a DC 5 V power bank or a DC 5 V adapter. The red LED stays on while charging and fades out when full — a full charge takes about 2 hours. You can keep riding while it charges.

8 Cautions

- If the headset is unused for a month or more, top it up every two months to protect the lithium battery.

- Store between -20°C and 50°C; extreme temperatures shorten battery life.
- Never expose the unit to open flame.
- Only the two headphone-plug buckle screws are user-serviceable. Do not open any other screws — risk of short circuit or battery damage.

9 Specifications

HYSNOX HY-1001 — Pair Intercom · Full-Duplex · 800 m

SPECIFICATION	HYSNOX HY-1001
Chipset	Qualcomm 5.1
Bluetooth	5.1 · A2DP / AVRCP · connects 2 devices at once
Noise cancelling	CVC + DSP, 16K voice bandwidth
Intercom	2 riders · full-duplex
Intercom range	Up to 800 m in open terrain
Validated speed	Clear voice up to 120 km/h (about 75 mph)
Speaker	40 mm Hi-Fi diaphragm
Microphone	Wired microphone (included)
Battery	700 mAh
Talk time	18 hours
Intercom time	15 hours
Standby time	300 hours
Charging	USB Type-C · approx. 2 hours · charge while riding
Water resistance	IP65
Working temperature	-4°F to 122°F (-20°C to 50°C)
Weight	48 g
Dimensions	84 × 49 × 28 mm
Cross-brand pairing	Two-way with other-brand Bluetooth intercoms

Intercom range figures are measured in open terrain; buildings, hills and heavy traffic reduce effective range. Battery figures are typical values at moderate volume and 25°C.

10 Warranty, Support & Compliance

Every HYSNOX HY-1001 is covered by a **12-month warranty** against manufacturing defects, plus **14-day returns**. The warranty does not cover damage from misuse, disassembly or unauthorised repair.

Support: support@hysnox.com · Web: hysnox.com

FCC · CE · RoHS · Made in China. This device complies with the applicable FCC and EU requirements for this product category; certificates are held by Hysnox and available on request.