

HY-02

GROUP INTERCOM · 6 RIDERS · 2000 M



6

RIDERS

2000 m

RANGE

28 h

TALK

IP65

SEALED

USER MANUAL · ENGLISH

The all-rounder: a six-rider group intercom with 2000 m of range, CVC 12 noise cancelling, two included microphone types and a 900 mAh battery good for 28 hours of talk.

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.

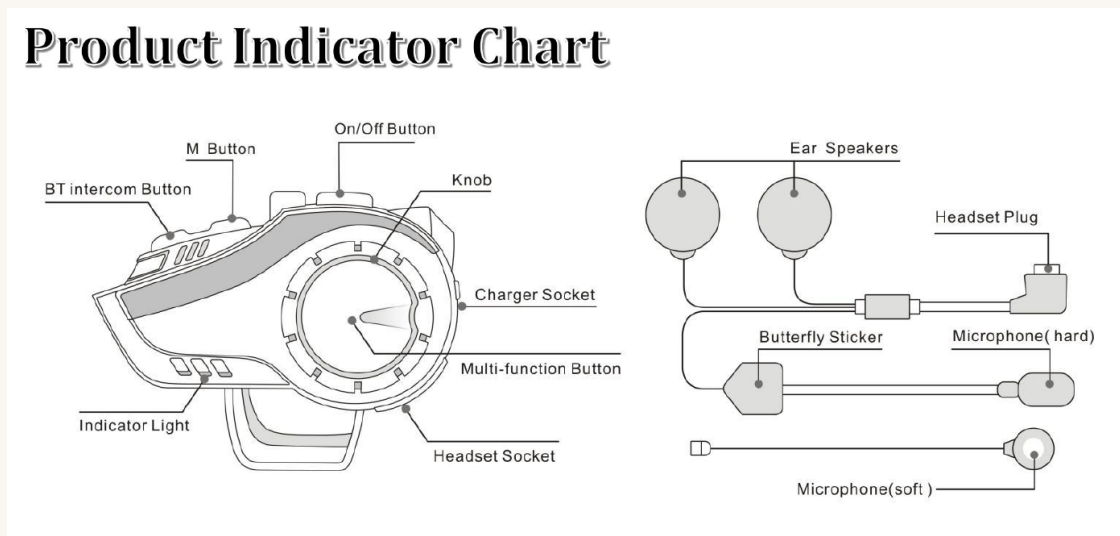
Water resistance. IP65 — sealed against dust and low-pressure water jets (rain, spray). Not for submersion. Never charge with a wet port.

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-02 at a Glance

Product Indicator Chart



HY-02 at a glance

- 1 · On/Off button
- 2 · Knob
- 3 · Charging socket (Type-C)
- 4 · Multi-function key
- 5 · Headset socket
- 6 · LED indicator
- 7 · BT button
- 8 · M button
- 9 · Headset plug
- 10 · Butterfly sticker
- 11 · Microphone (soft & hard)
- 12 · Ear speakers

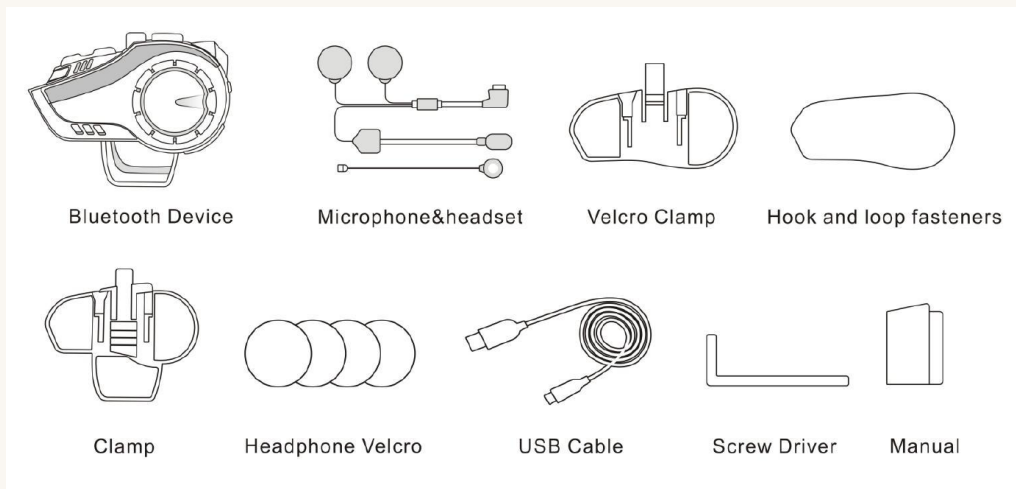
Indicator reference

INDICATOR	MEANING
Blue, flashes twice	Power on complete
Blue, slow flash	Standby / connected
Blue, fast flash	Intercom pairing / search
Red + blue, alternating	Phone-pairing mode
Red, flashes twice	Powering off

Red, steady while charging

Charging — fades when full

3 What's in the Box



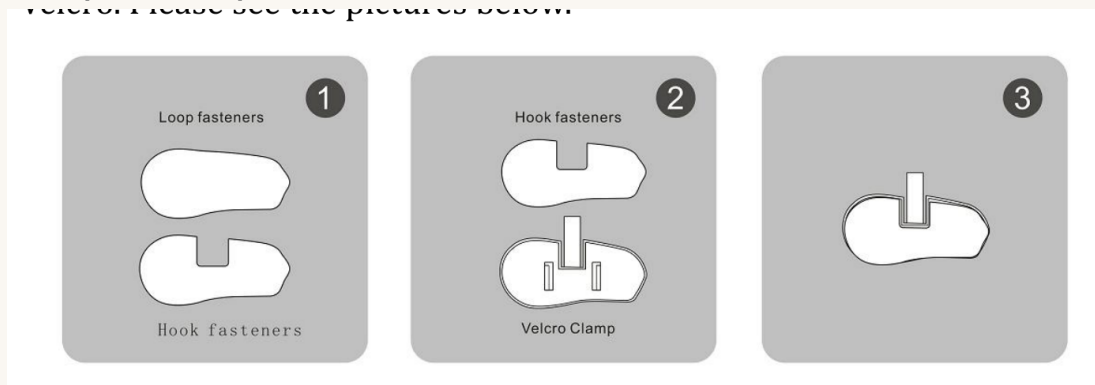
Package contents

- HY-02 main unit
- Clamp base
- Velcro adhesive base
- Boom microphone (open-face)
- Button microphone (full-face)
- 2 × 40 mm speakers
- Speaker velcro pads
- USB charging cable
- Screwdriver & screws
- User manual

4 Installing on Your Helmet

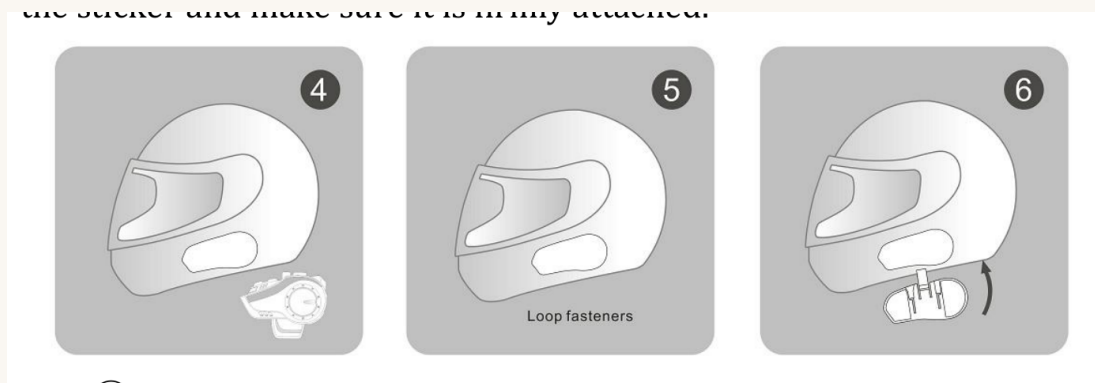
■ Option 1 — plastic clamp

Velcro. Please see the pictures below.



Clamp mounting, steps 1–3

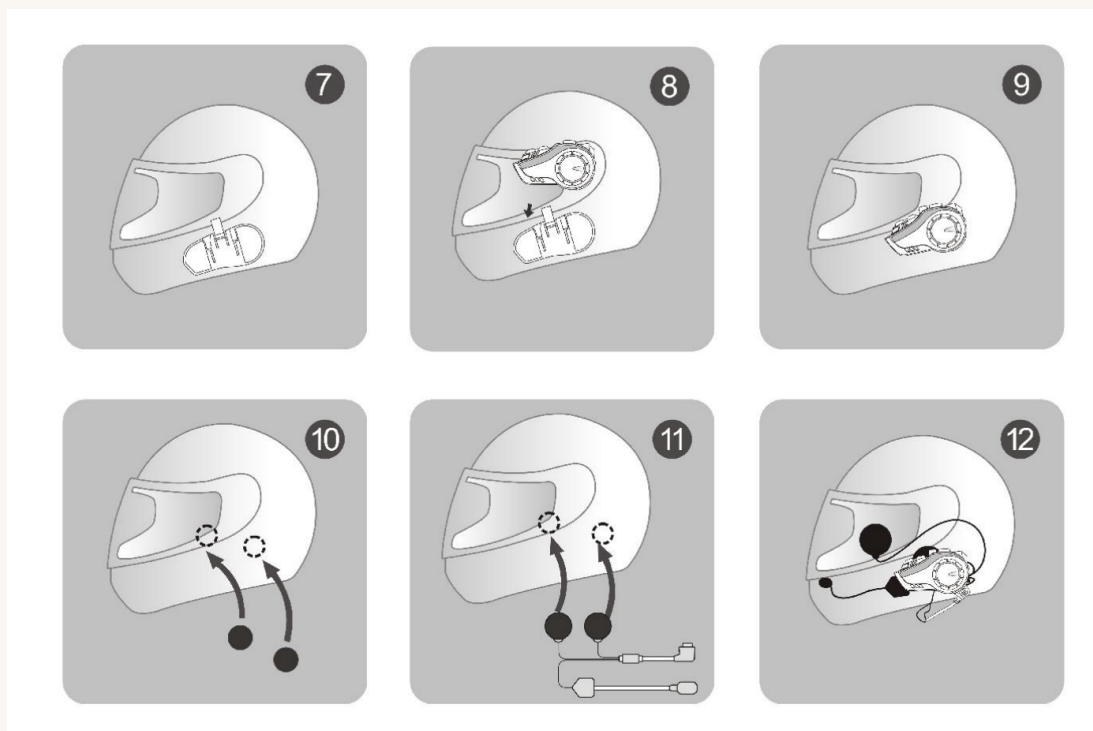
the screw and make sure it is firmly attached.



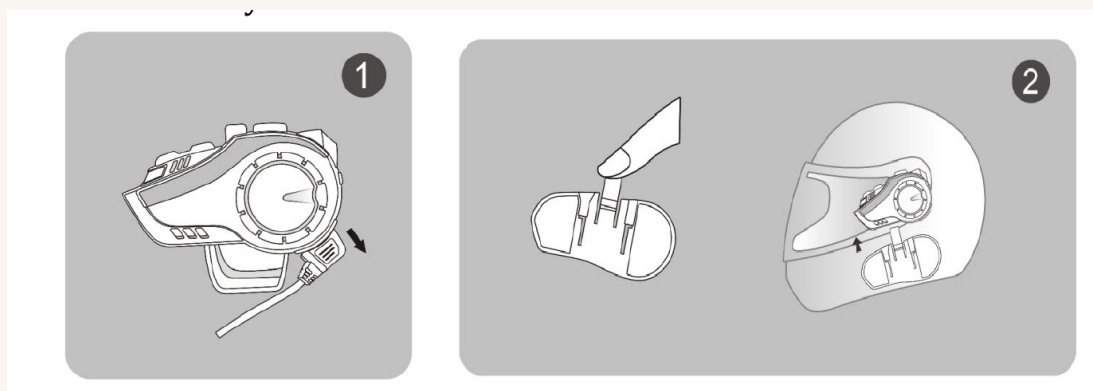
Clamp mounting, steps 4–6

Loosen the back-clip screws, insert the clip at the lower-left helmet edge and tighten. Slide the unit in until it locks. Stick speaker velcro at both ear pockets, mount the speakers (short cable toward the unit), fix the microphone — boom mic for open-face/modular, button mic for full-face — plug in and tidy the cable.

■ Option 2 — velcro mount



Velcro mounting



Velcro mounting (continued)

Hook side onto the velcro clip, choose the position (mind the orientation), stick the loop side down, slide the unit in and lock. Speakers and mic as in Option 1.

■ Quick removal

Unplug the headset cable, press the middle buckle of the back clip toward the helmet and slide the unit up and out.

5 Controls & Everyday Use

■ Power on / off

Power on: hold **On/Off** 4 s — tone, blue flashes twice. **Power off:** hold **On/Off** 4 s — tone, red flashes twice.

■ Phone controls

Answer: short-press the multi-function key. **Auto-answer:** after 8 seconds of ringing. **Reject:** hold the multi-function key 2 s during the ring. **End call:** short-press the multi-function key. **Redial:** in standby, double-click **On/Off**.

■ Music & EQ

Play / pause: short-press the multi-function key. **Next / previous:** one notch of the knob clockwise / counterclockwise. **EQ:** while music plays, click the **M** button to cycle Pop → Rock → Jazz → Classic → Country; the chosen mode is remembered after shutdown.

■ Volume

Turn and hold the knob counterclockwise to raise the volume, clockwise to lower it; an alert tone marks the maximum.

■ FM radio

On: in standby, double-click the multi-function key. **Tune:** flick the knob and release to change station (holding it adjusts volume). **Off:** double-click the multi-function key.

■ Voice-prompt language

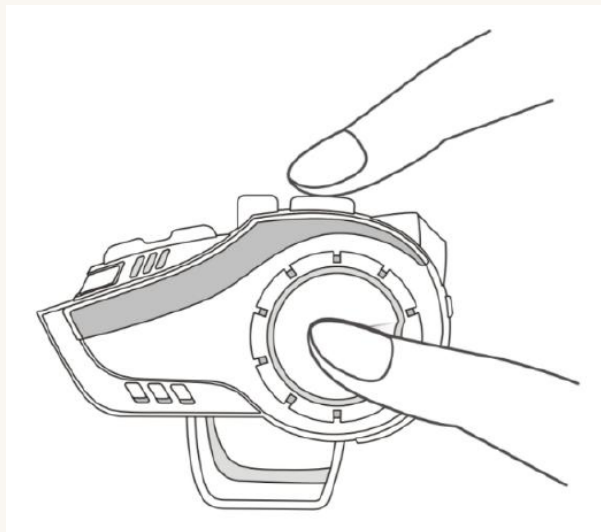
8 languages available: with the unit on, hold the **M** button while rotating the knob to cycle.

■ Voice wake-up, reset & battery

In standby, hold **M** 4 s for the phone's voice assistant. Hold **M** 6 s for a spoken battery-level announcement (three levels). **Factory reset:** with power on, hold **On/Off + M** 6 s until the red light comes on — power off and memory cleared.

6 Pairing & Intercom

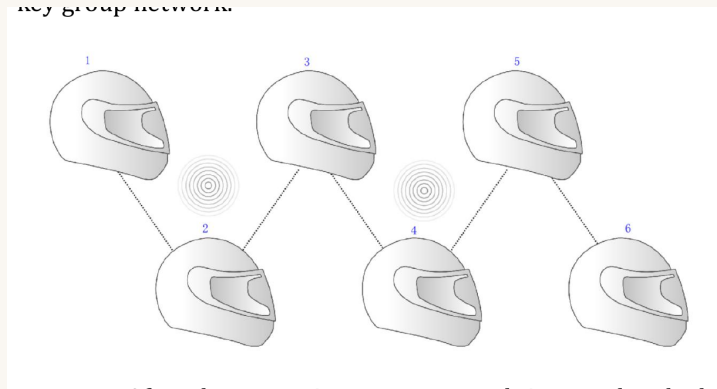
■ Pair with your phone



Phone pairing

Method 1: from OFF, hold On/Off 6 s until red/blue alternate, then pick the device on your phone. **Method 2:** from standby, hold **Multi-function + On/Off** 4 s until red/blue alternate, then connect — use this after group pairing or for music sharing.

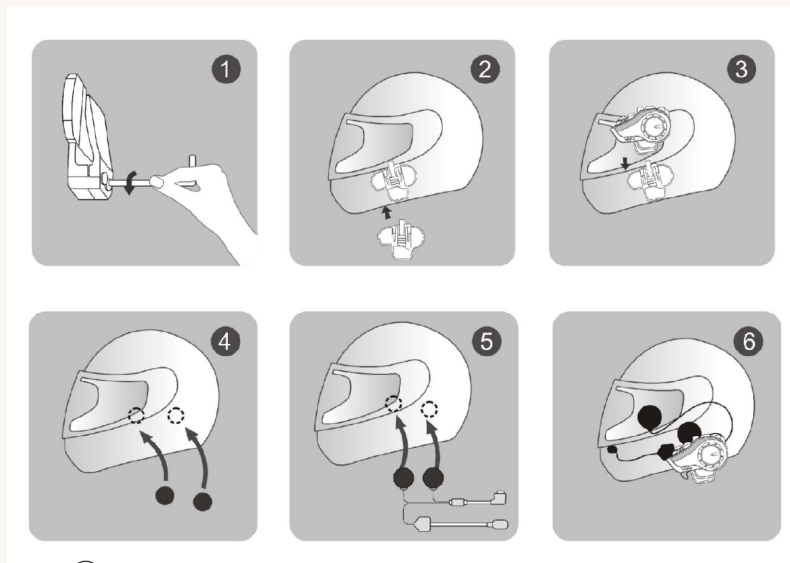
■ Pair two units



Two-unit pairing

Power both on (standby, slow blue). Hold both units' **BT** buttons 4 s until blue flashes fast. Short-press A's **BT** — “intercom search”; when A finds B, both flash slow blue with a beep. Wait for B to stop searching, short-press A's **BT** to network, then press **BT** once more to start talking.

■ Group intercom — up to 6 riders

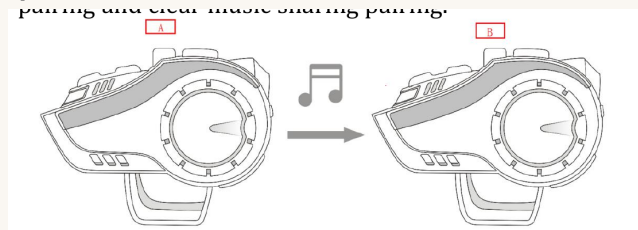


Group networking

All units on and in standby. Within 10 seconds, hold every unit's **BT** 4 s (fast blue). Short-press the **BT** of one unit — it becomes No. 1 and pairs to the next unit automatically; the chain continues (No. 2 finds No. 3, and so on) until every unit flashes slow blue. Then all riders press **BT once** at the same time (No. 1 first) to form the loop network, and press **BT once again** to start the group intercom.

NOTE · Short-press On/Off after networking and the unit announces “This equipment is Unit *”. One-click networking assigns numbers randomly; to fix the order, pair units 1-2, then 2-3, then 3-4 manually the same way. Group re-forms automatically after power-on when everyone presses **BT** once at the same time. Reconnect window after a drop: 10 minutes, then short-press **BT** manually. For the best experience keep groups to about 4 riders within 1000 m.

■ Music sharing (two units)



Music sharing

Factory-reset both units first; the unit that initiated the intercom (A) shares to B. Pair A→B as a two-unit intercom, connect A to the phone, short-press **BT** to play, then hold the **multi-function key** 2 s — fast blue on A, a beep on B, and sharing starts. Hold either unit's multi-function key to stop. Power-off clears the sharing pairing.

■ Pair with another brand

Two headsets only. In standby hold HY-02's **Multi-function + On/Off** 4 s (red/blue alternating), put the other headset into pairing mode, short-press HY-02's **Multi-function + On/Off**, wait for the beep, then press **BT** to enter voice intercom.

■ Switching modes

Press **BT** to drop out of a two-rider intercom into standby for FM or phone music; short-press **BT** again to jump back. Calls always interrupt and the intercom resumes about 5 seconds after they end. In groups of three or more, music and FM are unavailable (calls still come through). Priority: Phone > Intercom > Music > FM.

■ Function priority

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

7 Battery & Charging

Type-C end into the unit, USB end into a computer port, DC 5 V power bank or DC 5 V adapter. Red LED steady while charging, fades when full; about 2 hours from low to full. You can keep riding while it charges.

8 Cautions

- Auto power-off after 30 minutes with no connection. If unused for a month or more, charge every two months.
- Store between -20°C and 50°C.
- Never expose the unit to open flame.
- Do not open the housing screws.
- Plugging in USB power during use forces an emergency shutdown that does not save state.

9 Specifications

HYSNOX HY-02 — Group Intercom · 6 Riders · 2000 m

SPECIFICATION	HYSNOX HY-02
Chipset	Qualcomm 5.1
Bluetooth	5.1 · A2DP / AVRCP · dual-device · backward compatible
Noise cancelling	CVC 12th generation, DSP, 16K voice · removes up to 90% of wind and ambient noise
Intercom	Up to 6 riders · full-duplex
Intercom range	Up to 2000 m in open terrain
Speaker	40 mm Hi-Fi diaphragm
Microphone	Boom (open-face) & button (full-face) — both included
Equalizer	Selectable EQ: pop, rock, jazz, country
Battery	900 mAh
Talk time	28 hours
Music playback	33 hours
Standby time	500 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	52 g
Dimensions	84 × 50 × 28 mm
Cross-brand pairing	Universal — two-way with other-brand 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-02 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.