

HSM1-G

40m SDR HF Transceiver

POWERFUL PERFORMANCE.
PURE HAM EXPERIENCE.

The HSM1G is a compact 40 meter SDR transceiver delivering up to 50 Watts of clean RF output. Designed with modern SDR technology, intuitive controls, and a durable aluminium chassis. Built for everyday operation, at home or in the field.



UP TO 50W RF OUTPUT

Stable and clean power
for confident
communication.



OPTIMIZED 40 METER BAND

Engineered for
maximum efficiency
on the 40m band.



MODERN SDR INTERFACE

Clear TFT display with
real-time spectrum
and waterfall.



COMPACT ALUMINIUM CHASSIS

Strong, lightweight
and portable.
Built for field or
base station.



RELIABLE EVERYDAY OPERATION

Simple to use.
Focus on what matters:
Making QSOs.



PROUDLY DESIGNED &
MANUFACTURED IN INDONESIA

BUILT BY HAMS. TRUSTED ON THE AIR.

HSM1G SERIES
2026 EDITION

HSM1-G

40m SDR HF TRANSCEIVER

HSM1G UP CLOSE — HOW TO USE —



01

POWER & DISPLAY

Power ON and check the display before operating. The HSM1G display gives you a quick view of the current operating status.

- **RX** — Receiving indicator
- **A** — Active VFO
- **LSB** — Current operating mode
- **Frequency** — Operating frequency
- **RXG** — Receive Gain
- **TXG** — Transmit Power
- **WPM** — CW Speed
- **FLT** — Filter Bandwidth
- **1K0** — Additional Filter Setting
- **Spectrum & Waterfall** — Real-time RF activity

02

SELECT YOUR MODE

Choose the operating mode that suits your QSO.
Press **MODE** to cycle through the available modes.

- **LSB** — Lower Sideband
 - **USB** — Upper Sideband
 - **CW** — Morse Code
 - **AM** — Amplitude Modulation
 - **FM** — Frequency Modulation
- Tip:** Select the appropriate mode for the station or frequency you are operating on.

03

SET YOUR FREQUENCY

Use the **DIAL** to tune to your desired frequency.

- Turn the **DIAL** clockwise → frequency up
 - Turn the **DIAL** counter-clockwise → frequency down
 - Use **SET** to access the tuning **STEP** setting
 - Choose the step size that matches your tuning needs
- Fine tuning:** Use a smaller STEP.
Fast tuning: Use a larger STEP.

04

ADJUST RX GAIN

Adjust **RXG** for comfortable listening.

- Use **SET** to select **RXG**
 - Adjust the value to suit the received signal
 - Lower gain → softer reception
 - Higher gain → stronger reception
- Tip:** Use only as much gain as needed for clear listening.

05

SET TRANSMIT POWER

Choose the **TXG** level that suits your operation.

- **QRP** — Very Low Power
 - **LOW** — Low Power
 - **MED** — Medium Power
 - **HIGH** — High Power
 - Use **SET 2x** to select **TXG**
 - Choose the appropriate power level before transmitting
- Tip:** Use the lowest practical power for your operating conditions.

06

FILTER & WPM

Fine-tune your reception and CW operation.

- FILTER — RECEIVE BANDWIDTH**
 - **FLT** — Filter bandwidth
 - **1K0** — Additional filter setting
 - Use **FILTER** to adjust the available settings
- WPM — CW SPEED**
 - Use **SET** to select **WPM**
 - Adjust the value to your preferred CW speed

07

READY FOR QSO

Listen → Tune → Transmit → Make Contact



- ✓ Listen first and check that the frequency is clear
- ✓ Confirm the correct band and operating mode
- ✓ Set the appropriate TXG level
- ✓ Press PTT and make your call
- ✓ Release PTT and listen for the reply

📡
**ENJOY
YOUR QSO!**
See you on the air.
73!

1 REQUIRED EQUIPMENT

HSM1G Transceiver



Power Supply



Microphone



Antenna



2 CONNECTIONS (BASIC SETUP)

REAR PANEL

FRONT PANEL



3 BASIC OPERATION (AT A GLANCE)

- 1 POWER ON
- 2 SELECT BAND
- 3 SELECT MODE
- 4 SET VOLUME
- 6 READY



- Turn POWER ON. The display will light up.
- Make sure you are on the 40m band.
- Choose your mode (LSB, USB, CW, AM, FM).
- Use the DIAL knob to set your desired frequency.
- Adjust AF GAIN for comfortable listening.

DISPLAY OVERVIEW (AT A GLANCE)

RX	: RX (Green) Receiving
TX	: TX (Red) Transmitting
A	: A VFO A is active
LSB	: LSB Mode (Example: LSB)
7.060.000	: 7.060.000 Frequency
RXG	: RXG Receive Gain: -12 / -6 / 0 / +6 / +12
TXG H1G	: TXG H1G Transmit Power (QRP / LOW / MED / HIGH)
WPM 0	: WPM 0 CW Speed: 1-40 WPM
FLT 2K0	: FLT 2K0 Filter Bandwidth (value depends on the selected mode)
1K0	: 1K0 Dial Step Selection: 1 / 10 / 100 / 1K / 10K / 100K

HOW TO ADJUST



Press the corresponding button, then rotate the dial to select the desired value.



HSM1G UP CLOSE – HOW TO USE

01 POWER & DISPLAY

Power ON → Check Display



- RX (Green)** : Receiving
- TX (Red)** : (Red when Transmitting)
- A** : VFO A is active
- LSB** : Current operating mode
- 7.060.000** : Operating frequency
- Status Bar** : Key parameters at a glance
- Spectrum & Waterfall** : Real-time RF activity

02 SELECT YOUR MODE

Choose the mode for your operation



Press **MODE** to cycle through the modes.

LSB / USB for voice • CW for Morse • AM / FM (Voice & Reception)

03 SET YOUR FREQUENCY

Use the DIAL to tune



Use the **STEP** setting to control tuning resolution.

04 SET YOUR AUDIO (RX GAIN)

Adjust RX Gain for comfortable listening



- Rotate **AF GAIN** knob to adjust the volume level.
- Adjust RX Gain 0 - +12
- Higher value = stronger receive audio.



05 SET YOUR TRANSMIT POWER (TXG)

Choose the power level that suits your operation



- QRP** Very Low Power
- LOW** Low Power
- MED** Medium Power
- HIGH** High Power

Use **SET 2x** to select TXG

Choose the appropriate power level before transmitting

Press **SET** → **TXG** to change.

Recommended for portable / field operation.

06 FILTER & WPM

Fine-tune your reception and CW operation

FILTER – RECEIVE BANDWIDTH

- FLT** : Filter bandwidth
- 1K0** : Additional filter setting
- Use **FILTER** to adjust the available settings

WPM – CW SPEED

- Use **SET** to select **WPM**
- Adjust the value to your preferred CW speed

07 READY FOR QSO

LISTEN → TUNE → TRANSMIT → MAKE CONTACT



Remember:

- Antenna connected
- Correct band & mode
- Frequency is clear
- Proper power level
- Good operating practice

See you on the air! 73!

HSM1-G

40m SDR HF TRANSCEIVER

HAMBUILDER
RADIOWORK

CONTACT & SUPPORT

We are here to help you get the most out of your HSM1-G.
For questions, support, or feedback, feel free to reach out!



GET IN TOUCH



WEBSITE
www.hambuilder.com
Official site & product info



EMAIL
info@hambuilder.com
We aim to reply within 24-48 hours



WHATSAPP
[+62 813 1080 8073](https://wa.me/6281310808073)
Chat with us for quick support



SOCIAL MEDIA
[@hambuilder](https://www.instagram.com/hambuilder)
Follow us for updates, tips & ham radio content

SCAN & CONNECT



Scan the QR code to visit our website and explore:

- ✓ Product Information
- ✓ User Guides
- ✓ Firmware Updates
- ✓ FAQs
- ✓ News & Articles

HAMBUILDER RADIOWORK

Designed and Built for the Radio Amateur

Every HSM1-G is carefully designed, built, and tested by hams for hams. We believe in quality, performance, and reliability you can trust on the air.



★ **THANK YOU!** ★

Enjoy your HSM1-G and make new ham friends around the world.



BUILDING WITH PASSION



SUPPORTING THE COMMUNITY



CONNECTING THE WORLD

BUILT BY HAMS. | TRUSTED ON THE AIR.

73! See you on the air.

HSM1-G 50W 40M

Compact Size. Serious Performance. Pure Ham Experience

Pure Ham Experience

**BUILT FOR OPERATORS.
ENGINEERED FOR PERFORMANCE.**



**50 WATTS
OUTPUT POWER**
Stable and strong
performance for
every QSO.



**OPTIMIZED
40M BAND**
Engineered for
maximum efficiency
on 40 meters.



BUILT TO LAST
High quality
components for
reliable operation
in any condition.



COMPACT & SOLID
Small size, light weight,
easy to take anywhere.
Built for real ham
operators.



EASY TO USE
Simple interface,
intuitive controls.
Focus on what
matters.



**PROUDLY MADE
IN INDONESIA**



**ENGINEERED
FOR RELIABILITY**



**MADE BY HAM
FOR HAM**

**BUILT TO CONNECT.
BUILT TO LAST.**

CONTACT US

+6281310808073



www.hambuilder.com