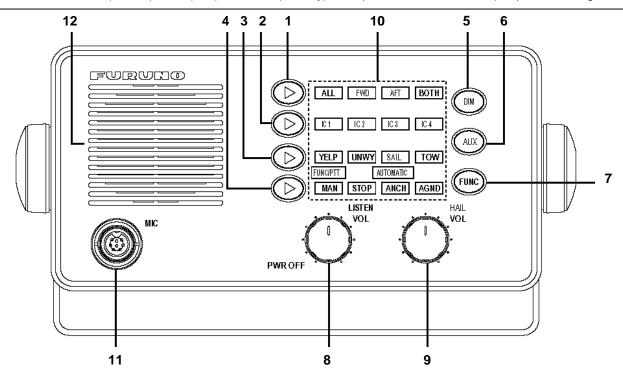# LH3000 Loud Hailer Operations and Information Quick Guide

Specifications: 13.6 VDC (+/-20%), < 5A (30w), < 280mA (standby), ext. speaker 4.5W @ 4 ohms (temperature rating -15 to 55°C)

Control Descriptions

1 **[Hail Select] Key -** Selects loud hailer speaker to use (ALL, FWD, AFT, BOTH).
2 **[Intercom Select] Key -** Selects which intercom station (IC1, IC2, IC3, IC4) to call.
3 **[Upper Signal Select] Key -** Selects warning signal among YELP, UNWY, SAIL and TOW.
4 **[Lower Signal Select] Key -** Selects warning signal among MAN, STOP, ANCH and AGND.
5 **[DIM] Key -** Adjusts indicator backlighting, press key cyclically to set one of five levels, including off.
6 **[AUX] Key -** Transmits audio signal from external source to all intercom stations.
7 **[FUNC] Key -** Activates automatic and manual warning signals.
8 **[LISTEN VOL] Control -** Adjusts listening volume from the internal speaker; turns power on/off.
9 **[HAIL VOL] Control -** Adjusts output volume from the horn speakers or intercom station speakers.
10 **LED Indicators -** From top row:
- Hail indicators (**ALL, FWD, AFT BOTH**)
- Intercom indicators (**IC1 – IC4**)
- Alarm signal indicators YELP (manual)**, UNWY, SAIL, TOW**
- **FUNC/PTT** and **AUTOMATIC** indicators
- Alarm signal indicators MAN (manual)**, STOP, ANCH, AGND**
11 **MIC -** Microphone input
12 **Speaker**

Powering On/Off and other important notes!
Rotate the [LISTEN VOL] control clockwise to power on.
The **"ALL"** indicator lights to confirm standby.
Always return to standby mode after a function has been completed.
The "standby mode" allows the following: Ready to call all stations, including both horn speakers and all intercom stations, and also ready to receive a call from any intercom station.

Sounding Warning Signals: The "two" manual signals, YELP and MAN, sound at each press of the **PTT** switch.
The "six" automatic signals are sounded when the [**FUNC**] key is operated.
Only the horn speakers sound warning signals and volume is automatically set to maximum.

Adjusting Output Level
Turn the [**HAIL VOL**] control clockwise to increase output volume from the horn speakers or intercom speakers.

Adjusting Listening Volume
Turn the [**LISTEN VOL**] control clockwise to increase the volume of the internal speaker and external speaker (if connected).

Calling All Intercom Stations (**To call all intercom stations while sounding warning signals, see page 17**)
1. In the "standby mode", hold the microphone 2-3 cm from your mouth and press the PTT switch on microphone. Speak into the microphone. All intercom stations and both horn speakers will hear you.
2. Release the PTT switch to return the equipment to the standby mode.

Calling a Specific Intercom Station (**To call an intercom station while sounding warning, see page 17**)
1. Press the [Intercom Select] key until the indicator lights on the desired intercom station.
- After a one-second delay, a short tone sounds from the selected intercom station.

2. Press the PTT switch on the microphone and speak into the microphone.
3. Release the PTT switch to listen for a reply from the selected intercom station.
- If necessary, adjust listening volume with the [LISTEN VOL] control.

4. After completing your conversation, press the [Hail Select] key to return to the standby mode.

Receiving a Call from an Intercom Station
When an intercom station is calling the main station, the indicator for the calling station flashes on the main station's indicator and a tone sounds while the intercom station operator is pressing the station's calling switch.

Automatically selecting a single calling station
1. In the standby mode, press the PTT switch on the microphone to answer the call.
- The LH-3000 automatically switches to the calling station and the flashing indicator then lights steadily.
- If necessary, adjust listening volume with [LISTEN VOL] control.

2. After you have finished your conversation, press the [Hail Select] key to return to the standby mode.

Automatically selecting multiple calling stations
When receiving a call from more than one station, appropriate intercom station indicators flash and tone sounds.
1. In the standby mode, press the PTT switch on the microphone.
- When calls are received simultaneously, the low-number station will be selected first.

2. After you have completed your conversation, press the [Hail Select] key to return to the standby mode.
3. Press the PTT switch on the microphone again and the next low-number station will automatically be selected.
4. After finished all conversations, press [Hail Select] key to return to standby mode ("ALL" indicator lights).

Calling all intercom stations while an intercom voice is selected
1. Press and hold the [Hail Select] key.
2. Press the PTT switch on the microphone and speak into the microphone. All station indicators flash.

Manually selecting a calling station
1. Press the [Intercom Select] key until the indicator lights for the desired station.
2. Press the PTT switch on the microphone and answer the call.
3. Release the PTT switch to listen to the intercom station.
- Adjust listening volume with the [LISTEN VOL] control if necessary.

4. To call another station, select the next station with the [Intercom Select] key.
5. After you have finished all conversations, press the [Hail Select] key to return to the standby mode.

Hailing by Voice
1. Press the [**Hail Select**] key until the indicator lights for the desired horn speaker(s).
2. Press the **PTT** switch on microphone and speak. If required, adjust output power to the speaker(s) with the [**HAIL VOL**] control; release the **PTT** switch and the Loud Hailer will switch to the listening mode, using the speaker(s) as microphone(s). If necessary, adjust listening volume with the [**LISTEN VOL**] control.
3. Press the [**Hail Select**] key to return to the standby mode.