



Yapalong 4000 User's Manual



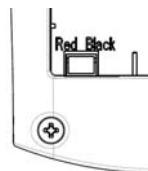
NAUTIC DEVICES INC.

12 Bram Court, Unit 10
Brampton, Ontario L6W 3V1
Canada

info@nauticdevices.com
1-(905)-457-8498

Get Started:

1. Install the Lithium polymer battery. Make sure the battery connector is plugged into the socket with the color of the cables matching the polarity "Red Black" shown on the case. For your safety, use only battery provided by Nautic Devices Inc.
2. Once the battery connector is plugged in, the unit turns on automatically. The red LED turns on. If the amber LED blinks every 2 or 5 seconds, or there is no LED light at all, battery needs to be charged. If the amber LED blinks continuously, the unit needs to be bound with the group. See "binding procedure" on our website.
3. Close the battery door. Fasten the battery door using the screw provided (M3x5 flat screw).
4. Plug the adaptor to the wall outlet. Plug the barrel connector of the cable into the power charging jack. Turn off the unit during battery charging will speed up the charge time. See (7) below. Amber light turns on during charging and green light turns on when battery is fully charged.
5. To turn Yapalong unit ON, hold 'POWER button' down (approx. 2 seconds) until red indicator light turns on. Plug in the headset. The unit is now ready to be used with other powered-on units of the same group. If the amber LED blinks continuously, the unit has not been bound with the group. See "binding procedure" on our website.



6. To adjust the sound volume, press UP or DOWN button, repeatedly if necessary, until desired volume is reached. Now the Yapalong 4000 let every member in the group talk freely and listen at the same time, without any restriction. High quality sound is achieved by high speed digital processing.

7. To turn Yapalong unit OFF, hold 'POWER button' down (approx. 2 seconds) until red indicator light flashes 3 times; and the unit powers down.

Instruction for Use

Turn on	Hold down 'Power Button' approx. 2 seconds until red indicator turns on. Release button.	Red indicator light will remain on at a lower intensity if your unit hears other unit(s) in the same group; otherwise the red indicator will be extra bright.
Turn off	Hold down 'Power button' approx. 2 seconds until red indicator light flashes 3 times. Release.	All indicators are off in power down mode, except battery charging indicators.
Volume up	Press 'UP button' to move up one level at a time until desired volume.	Green indicator flashes once unless maximum level had been reached. There are 6 volume levels.
Volume Down	Press 'DOWN button' to move down one level at a time until desired volume.	Green indicator flashes once unless minimum level had been reached.
Microphone Mute	Press Aux Button ("A") until green light flashes 3 times.	Continuous slow blinking of Red LED indicates microphone in mute state. When microphone is muted, other Yapalong units cannot hear you. However you can still hear the others.
Reactivate microphone	Press Aux Button ("A") until green light flashes 3 times.	Red indicator slow blinking stops. Back to normal operation.
Increase microphone sensitivity	Press Up Button and Aux Button together.	Green indicator flashes twice unless maximum level has been reached. Increase microphone sensitivity if you want to speak softly in a quiet environment. There are 5 microphone sensitivity levels.
Decrease microphone sensitivity	Press Down Button and Aux Button together.	Green indicator flashes twice unless minimum level has been reached. Decrease microphone sensitivity when background noise is loud, for

example, in windy conditions. Speak closer to the microphone to compensate.

Force Sync Press power button momentarily
forces the unit to re-establish
synchronization with the rest of
the group

Additional Features

Red indicator remains on with full brightness.

Out of range indicator. Your unit cannot receive RF signal from any unit in the group. Power on other units, or walk closer to each other.

Solid green light

Battery fully charged

Solid amber light

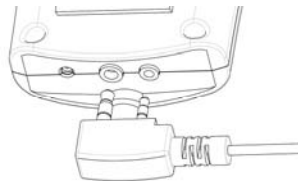
Battery being charged

Slow blinking amber light

First battery low level warning – Amber light blinks every 5 seconds. Second battery low level warning – Amber light blinks every two seconds. Then units turns off automatically to avoid damage to battery.

Use Headset

Please plug in headset plug into the unit as shown in the figure



Specifications:

Radio technology: 900 MHz unlicensed ISM band, auto channel selection

Wireless network: no-master TDMA

Digital modulation: FSK

Range: up to 700 meters line-of-sight

Dimensions: 179mm x 64mm x 22mm

Power source: Lithium polymer, 3.7 V, 1700 mAh
Power efficiency: A fully charged battery lasts over 8 hours
Operating temperature range: -20 °C to 50 °C
Operating humidity: 30% to 95% non-condensing
Lead free, RoHS compliance

Industry Canada Compliance Statement

Under Industry Canada regulations, this radio transmitter may only operate using an antenna of a type and maximum (or lesser) gain approved for the transmitter by Industry Canada. To reduce potential radio interference to other users, the antenna type and its gain should be so chosen that the equivalent isotropically radiated power (e.i.r.p.) is not more than that necessary for successful communication.

Conformément à la réglementation d'Industrie Canada, le présent émetteur radio peut fonctionner avec une antenne d'un type et d'un gain maximal (ou inférieur) approuvé pour l'émetteur par Industrie Canada. Dans le but de réduire les risques de brouillage radioélectrique à l'intention des autres utilisateurs, il faut choisir le type d'antenne et son gain de sorte que la puissance isotrope rayonnée équivalente (p.i.r.e.) ne dépasse pas l'intensité nécessaire à l'établissement d'une communication satisfaisante.

This device complies with Industry Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes : (1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

FCC Information to Users

This equipment has been tested and found to comply with the limits for Class B digital devices, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna
- Increase the separation between the equipment and receiver
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Warning: Changes or modifications not expressly approved by Nautic Devices Inc. could void the user's authority to operate the equipment.

For Class B – Unintentional Radiators

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference and (2) this device must accept any interference received, including interference that may cause undesired operations.