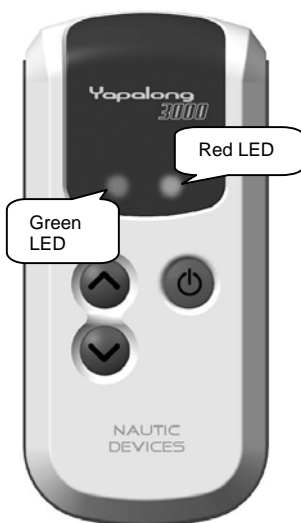
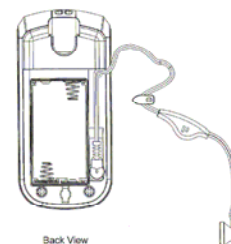


Yapalong 3000 User's Guide

for 3020, 3030, 3040

Get Started Now:

1. Remove battery door at the back of unit by turning small latch at the bottom.
2. Install batteries (2 x AA standard alkaline or rechargeable Nickel Metal Hydride (NiMH), not included). Slide new batteries into battery compartment. Make sure positive (+) and negative (-) ends of batteries match configuration moulded into battery holder.
3. Push microphone plug into connector beside battery compartment. Ensure O-ring is in place.
4. Replace and close battery door, ensure microphone cable exits from the small opening on the side, at the top of door. Close latch to ensure seal is watertight.
5. To turn Yapalong unit ON, hold 'POWER button' down (approx. 3 seconds) until green indicator light flashes 3 times. The unit is now ready to be used with other powered-on unit(s) of the same set.
6. To turn VOLUME UP, press 'UP button', repeatedly if necessary, until desired volume is reached.
7. To turn VOLUME DOWN, press 'DOWN button', repeatedly if necessary, until desired volume is reached.
8. To turn Yapalong unit OFF, hold 'POWER button' down (approx. 3 seconds) until red indicator light flashes 3 times.
9. Batteries can be left safely in the unit. However, if depleted, remove or replace.



Configurations of Yapalong Systems

Yapalong 3020 – 2 users system
Yapalong 3030 – 3 users system
Yapalong 3040 – 4 users system

Each Yapalong System package contains:

Yapalong units (from 2 to 4)
Earbud and microphone assemblies (from 2 to 4)
Neck straps (from 2 to 4)
Carrying case(s)

Replacing Batteries











Each Yapalong unit uses 2 x AA standard alkaline or rechargeable Nickel Metal Hydride (NiMH) batteries, not included. CAUTIONS: Do not mix battery types, as they may explode or leak, causing injury. Replace both batteries at the same time.

System Description

Yapalong provides immediate and clear communication between 2 (3020), 3(3030) and 4(3040) users. Unlike traditional FRS (walkie-talkie) radios, your exchange remains within the group and is private. Operation is simple and does not require PTT (push to talk). Using the inconspicuous earbud and microphone, operation is completely hands-free. It is always in a conference mode, meaning anyone can talk at any time, and be heard by everyone in the group. The Yapalong unit is small, battery-operated, and water-resistant – ideal for ski schools on the slopes, mariners, hunters, tourists groups, construction teams, and any small-group coaching. You can talk as long as you like with your team in the city, in the remote country or in the middle of the ocean. There is no license fee to pay and no air time charges.

Instructions for Use

Yapalong 3000 is designed for simplicity. Only 3 buttons and 2 LED indicators are placed on the front of the device.

Turn on 	Press 'POWER button' (approx. 3 seconds) until green indicator light flashes 3 times. Release.	Red indicator light will remain on at a lower intensity.
Turn off 	Press 'POWER button' (approx. 3 seconds) until red indicator light flashes 3 times. Release.	No indicator on after power down.
Volume up 	Press 'UP button' until desired volume.	Green indicator flashes once unless maximum level had been reached. There are 6 volume levels.
Volume down 	Press 'DOWN button' until desired volume.	Red indicator flashes once unless minimum level had been reached.
Microphone mute 	Hold 'DOWN button' (approx. 3 seconds) until red indicator light flashes once for a longer duration.	When microphone is muted, other Yapalong units cannot hear you.
Reactivate microphone (turn off mute) 	Hold 'UP button' (approx. 3 seconds) until green indicator light flashes once for a longer duration.	
Increase microphone sensitivity  	Press both 'POWER button' and 'UP button' simultaneously.	Green indicator flashes twice unless maximum level had 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 both 'POWER button' and 'DOWN button' simultaneously.	Red indicator flashes twice unless minimum level had been reached. Decrease microphone sensitivity when background noise is loud, for example, in windy conditions.

Additional features

Red indicator light flashes 4 times, every 20 seconds.	Battery low warning.
Communication is impeded by wind noise or loud background noises picked up by microphone.	Try to reduce microphone sensitivity and speak closer to microphone.
Power on red indicator light changes from reduced intensity to full intensity.	Your unit is out of range from all others, or all others in your group are inactive.

Recommendations and Tips

Power up all units in the group in relative close proximity (15 to 25 feet) and check that communication is established before moving further apart.

If other units cannot hear you, but you can hear other(s) clearly, your unit is on mute. Press 'UP button' (approx. 3 seconds) until green indicator light flashes once.

For mariners, have spare earbud and microphone assemblies, and batteries. With proper installation, the Yapalong 3000 is waterproof, but the microphone and earbud are not. Be prepare to replace microphone and earbud if needed.

For non-critical applications, unit may be used until operation stops, regardless of the battery-low warning.

To maximize radio range, adjust and experiment with different mounting positions; i.e. on arm, front or back of body by neck strap, or waist. As a general rule, the less blocking of radio frequency wave the better for the communication.

Each group and unit has its unique ID number. This ensures privacy and prevents interference from other systems.

Yapalong 3000 is not limited to 2 – 4 users. Listen-only units can be added to practically any number in the group. This application is especially useful for tour groups of 10 - 50. Instead of straining to hear the guide over adjacent tour groups, in an enclosed museum space for example, tour group guests equipped with “Listen-Only” units can walk from exhibit to exhibit with clear real life commentary from their very own guide. For more information and availability, contact Nautic Devices Inc.

Upgrading Yapalong 3020 and Yapalong 3030

3020 and 3030 systems can be upgraded with to a maximum of 4 units in the group. A simple binding procedure can be done by you. Please visit our web site www.nauticdevices.com for detailed information, or contact us by email at info@nauticdevices.com.

Specifications

Battery: 2 x AA standard alkaline or rechargeable NiMH (Nickel Metal Hydride) (charger not included)
Power efficiency: high quality batteries will last from 15 to 20 hours
Power off leakage: less than 2 microamp
Range: up to 300 m line-of-sight
Radio technology: 2.4GHz 15 channels, unlicensed ISM band, automatic channel selection
Operating temperature range: -20 °C to 50 °C
Operating humidity: 30% to 95% non-condensing
Rainproof and waterproof main unit: tested submerged 3 feet for 1 minute
Lead free, RoHS compliance
Dimensions: 108mm x 51mm x 31mm

Warranty

Nautic Devices Inc. warrants this product against defects in materials and workmanship for a period of eighteen (18) months from the date of original purchase. For warranty service, please contact us for RMA number and return the product together with the original receipt postage prepaid to Nautic Devices Inc., 642 Driftcurrent Dr., Mississauga Ontario, CANADA L4Z 4A4. Tel: (905) 712-8766.

Industry Canada Compliance Statement

This Class B digital apparatus complies with ICES-003.
Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.

FCC Information to Users

This equipment has been tested and found to comply with the limits for a 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.