

# COXMATE

ADVANCED ELECTRONICS FOR ROWING

# AA



The Coxmate range of products brings the benefits of current electronics technology to rowing. The Coxmate AA is an audio only model. It has been designed to be durable and low cost.

The Coxmate range is offered with speakers, cable harness, microphone and charger. The speakers and cable harness are compatible with the Nielsen Kellerman Cox-Box™ or Cox-Vox™ unit. An AA unit can be plugged directly into an existing Nielsen Kellerman cable harness.

The Coxmate designs are a result of a lengthy and intensive study into the needs of rowing, and how existing systems can be improved. Some of the **features** are listed below:

- ✚ Large capacity rechargeable battery storage (8x 750mAh batteries).
- ✚ Sophisticated battery management to increase battery life. Unit can be left permanently connected to charger, as it turns charger off once batteries are full. This avoids unnecessary degradation of batteries.
- ✚ Provides low level battery warning and charge full indication.
- ✚ Increased audio power, reducing distortion, increasing efficiency and increasing battery operating time.
- ✚ Automatic power down if speakers are not connected – avoids accidental flattening of batteries.
- ✚ Automatic retention of volume setting when turned off/on.
- ✚ Short circuit protection of speaker output.
- ✚ Customer replacement of rechargeable batteries.
- ✚ A permanent connection of microphone to control box – removing problems associated with unreliable connection.
- ✚ Coxmate harness accommodates up to 4 speakers – providing even sound volume through boat, and enabling Cox to communicate with crew but not the competing crew alongside.
- ✚ Improved cable harness design:
  - ✚ All connectors are fitted with strain relief to protect against damage during connection/disconnection.
  - ✚ All cables are double insulated to provide additional mechanical protection.
  - ✚ All copper wires are tinned to reduce corrosion.

- ✚ All connectors are fitted with visual markers to assist in aligning of two halves during connection.
- ✚ Main connector is fitted with retentive cap. This is used to protect connector when it is disconnected from control unit.
- ✚ The **Coxmate** units are supplied with a special mounting plate. This can be permanently mounted in boat or attached via a waistband to the Cox. The control unit is easily attached/detached to/from this plate.

The following **Coxmate Kits** are available:

- ✚ **AA-Kit:** Control Unit, supplied with waistband, mounting kit, microphone, charger, carry case and silicone grease.
- ✚ **\*CH4-AA-Mod-Kit:** Cable harness kit for four with 2 speakers.
- ✚ **\*CH8-AA-Mod-Kit:** Cable harness kit for eight with 4 speakers.

\* The modular harness/speaker kits are recommended. Conventional harness systems are also available.



### Specifications:

- ✚ **Batteries:** Charge time approx 8 hours. Run time approx 10 hours
- ✚ **Battery Charger: BC-XXX:** Specify Aus, USA, EU or UK plug/voltage.
- ✚ **Sealing:** All components sealed to IP67
- ✚ **Buoyancy: AA** floats
- ✚ **Dimensions of AA:** 110x85x35 mm
- ✚ **Weight of AA:** approx 250g
- ✚ **Speakers:** Up to a maximum of 4 speakers can be connected.
- ✚ **EMC: FCC:** Part 15 Class B. **CE:** EN50081.1:IEC/CISPR61000-6-3:1996 Class B (radiated emissions) and 61000.4.2 2002 electrostatic discharge immunity



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