

MICRON

R3

FOX TV



Operating Instructions

MICRON RX3 RECEIVER

ON/OFF BUTTON

INTERCHANGEABLE
INDICATION
LED LIGHTS



VOLUME UP
BUTTON

CHARGING LED

VOLUME DOWN
BUTTON

TO SWITCH ON

Press and release [ON/OFF] button. Unit will sound a three note sequence and the four LEDs will illuminate.

TO SWITCH OFF

Press and release [ON/OFF] button. Unit will sound a single low note.

TO ADJUST VOLUME AND SELECT VIBRATING ALERT

Use [VOLUME +] and [VOLUME -] buttons.

The unit will give a two-tone ascending or descending beep, at the new volume setting

There are 8 different volume settings available.

Vibrating alert is selected by pressing [VOLUME -] again, when the unit is already at its lowest volume setting.

"REGISTRATION" MODE

When the receiver is used for the first time, it is necessary to "register" the bite alarms that it will be used with, so that the receiver can "learn" their unique identification codes. Note that any new generation Micron radio-equipped product, with any LED colour, can be assigned to any LED on the receiver. Before starting this procedure, ensure all your bite alarms are switched OFF, then proceed as follows -

1. With the unit already switched on, press and hold down the [ON/OFF] button. After about two seconds, the top LED will start to flicker rapidly. Release the [ON/OFF] button.
2. Switch on the bite alarm that is to be assigned to the first LED. The bite alarm will emit a "tick-tock"

sound, after its normal start-up tones and the RX3 will emit a single beep. The LED will stop flickering and illuminate constantly for a brief period.

3. The second LED will then start flickering. Repeat step (2) above for the remaining bite alarms.

4. When all bite alarms have been assigned, switch the RX3 off.

5. Note that if an error has been made, registration mode can be cancelled at any time, by switching the receiver off.

6. If only one particular LED is to be assigned, leaving all others as they are, this can be achieved by using the volume +/- buttons. Enter registration mode as described above and then use the volume +/- buttons to select which LED to assign. If the same alarm is registered to more than one LED, only the first LED it was assigned to will illuminate in normal operation.

7. Note that registration data for any given LED is not overwritten, until a bite alarm is switched on. If, therefore, registration mode is entered accidentally, then simply switching the receiver off will prevent any corruption of the registration data.

8. Registration data is held in non-volatile memory and so is held indefinitely when batteries are removed. Equally, it can be overwritten as many times as desired, for instance when new alarms are purchased,

or if the user owns more than one set of radio-equipped alarms.

OUT-OF-RANGE WARNING

The RX3 receiver incorporates an out-of-range warning tone, which will sound when the receiver recognises a transmission from a bite alarm, but the transmission is "breaking up". Depending on the conditions of use, signals from the bite alarm may also not be received at all, at the extremes of range, which will result in missing "beeps".

Determining the limits of range is most conveniently done with the bite alarm in range test mode (consult the operating instructions of your bite alarms for details of how to select range test mode). As the limit of range is reached, the test signal will begin to break up, with missing "beeps", interspersed with the distinctive "crash" tone, indicating out-of-range. Note that the out-of-range tone also operates when the bite alarms are in normal operation mode.

USER CONFIGURABLE LEDs

The receiver is equipped with four high-brightness white LEDs. A set of interchangeable coloured lenses are provided, so that the user may assign any colour lens, to any LED, as desired. To fit a new lens, simply

lever the existing lens out by inserting a screwdriver or similar in the slot underneath the lens, at the side of the case, taking care not to scratch the surface.

BATTERIES

The RX3 model runs from 2 x 'AAA' NiMH rechargeable or 2 x 'AAA' alkaline non-rechargeable cells.

CHARGING SOCKET

Plug the AC adapter into the charging socket on the side of the unit. The charging LED will illuminate according to the charging status (see chart).

IMPORTANT SAFETY WARNINGS

WARNING: DO NOT UNDER ANY CIRCUMSTANCES ATTEMPT TO USE ALKALINE OR OTHER NON-RECHARGEABLE BATTERIES WITH THE RECHARGING FEATURE. USE ONLY THE NICKEL METAL HYDRIDE BATTERIES SUPPLIED. FAILURE TO OBSERVE THIS MAY RESULT IN RISK OF FIRE, EXPLOSION, BATTERY LEAKAGE OR PERSONAL INJURY AND WILL INVALIDATE THE WARRANTY. FOX WILL NOT BE HELD LIABLE FOR ANY DAMAGE OR INJURY SO CAUSED.

DO NOT MIX DIFFERENT BATTERY TYPES. DO NOT MIX RECHARGEABLE AND NON-RECHARGEABLE BATTERIES.

USE ONLY FOX APPROVED NICKEL METAL HYDRIDE BATTERIES. THE USE OF ANY OTHER TYPE OF RECHARGEABLE BATTERY WILL INVALIDATE YOUR WARRANTY.

THE RECHARGING UNIT IS INTENDED FOR INDOOR OR IN-CAR USE ONLY. DO NOT EXPOSE TO RAIN, DAMP OR MOISTURE.

USE ONLY THE AC/DC ADAPTER SUPPLIED. THE USE OF ANY OTHER ADAPTER MAY DAMAGE THE UNIT AND WILL INVALIDATE YOUR WARRANTY. THE AC/DC ADAPTER IS INTENDED FOR INDOOR USE ONLY.

FOR SAFETY REASONS, THE IN-CAR CHARGING OPTION SHOULD NOT BE USED WHILST THE VEHICLE IS IN MOTION.

THE CAR CHARGING LEAD MAY BE USED WITH 12 VOLT NEGATIVE EARTH VEHICLE ELECTRICAL SYSTEMS ONLY

FITTING RECHARGEABLE BATTERIES

Open the receiver battery compartment by unclipping the cover at the rear of the unit. Take care removing

old batteries and ensure correct polarity and connection when fitting new batteries. Use only the Fox approved Nickel Metal Hydride batteries supplied with the recharging kit. Re-fit cover.

NOTE: Before using your receiver for the first time, the batteries will require a full charge.

LOW BATTERY WARNING

The RX3 receiver incorporates a low battery warning system which continuously monitors the battery condition. When a low battery is detected, the four LEDs will flash briefly in sequence, approximately once every 10 seconds. This is most likely to occur after a run, as this is when the demand on the battery is at its highest. When a low battery warning has been observed, it is essential to recharge the batteries (if the rechargeable batteries are in use) or replace them (if non-rechargeable alkaline batteries are in use), in order to ensure continued operation.

OPERATION

1. Ensure that the rechargeable Nickel-Metal Hydride batteries supplied are fitted correctly in the battery compartment.
2. Connect either the AC/DC adapter, or car charging lead supplied to the socket at the side of the unit.

3. Plug the AC/DC adapter into a wall socket, or insert the car charging lead into a standard cigarette lighter socket.

4. Observe the charging LED. The normal sequence is

as follows –

LED Colour	Charging Status	Meaning	Duration
LED is lit (steady)	Charging qualification	Unit is checking battery condition and ambient temperature	Approx. 1 second (after power first applied)
Flashing green (immediately after charge qualification)	Trickle charge	Battery is completely discharged or ambient temperature is too low or too high to allow fast charge	Up to 1 hour, or until requirements are met
Constant amber (with occasional red flashes)	Fast charge	Battery is being fast charged	60 minutes maximum (less if batteries were only partially discharged)
Flashing green (after fast charge)	Top-off charge	Batteries are being given a final slow charge to ensure maximum capacity	60 minutes
Flashing green (after top-off charge)	Trickle charge	Batteries are being trickle charged to maintain at full capacity	Can be safely left in this condition for many hours (e.g. overnight)
Flashing red (at any time)	BATTERY FAULT	DISCONNECT POWER	DO NOT LEAVE IN THIS CONDITION

NOTES –

- When fast charge is completed (80 minutes or less), the unit is ready for use and will give almost full battery life before recharging is necessary. For optimum performance, however, it is recommended that the top-off charge is allowed to complete, when possible (a further 80 minutes)
- All types of rechargeable batteries will self discharge over a period of weeks or months, so it is recommended that charging is carried out shortly before use
- Unlike older types of rechargeable batteries, it is not necessary to fully discharge Nickel Metal Hydride batteries, so they can be re-charged periodically without any detrimental effect on their life expectancy.
- To avoid overheating the batteries, do not repeatedly re-start the charging sequence (by interrupting the power)
- The batteries may become slightly warm during fast charge, this is normal
- The AC/DC adapter will become warm in use

BATTERY LIFE EXPECTANCY

All types of rechargeable battery have a lower capacity than the equivalent sized alkaline (non-rechargeable) battery.

Using Nickel Metal Hydride batteries, you should expect to re-charge the batteries roughly twice as often as you would have to replace alkaline batteries. So, for example, if you normally expect 1,000 hours use from alkaline batteries, then you should expect to perform a re-charge every 500 hours of use. To avoid this problem, simply re-charge the batteries before each session of use.

REPLACEMENT OF RECHARGEABLE - BATTERIES

In normal use, it should be possible to recharge the batteries many hundreds of times. If, however, you notice that it is becoming necessary to recharge more often, then the batteries may require replacement. Replace only with Fox approved Nickel Metal Hydride batteries. The use of any other type of battery may invalidate your warranty.

INTERCHANGEABLE COLOURED LED LENSES

The lenses on the RX3 receiver can be interchanged to match the LED colours shown on the alarm head.

To change the lens colour simply insert a blunt, flat



edge under the lens and lift upwards. Here we have used the corner of a Micron EOS battery compartment key, but any similar item such as a small screwdriver would be suitable.

STAND, BELT CLIP AND MAGNETIC BIVVY HOLSTER

The receiver is provided with a number of accessories to hold the receiver, in different conditions of use.

Stand & belt clip – the RX3 is provided with two different battery covers, one of which incorporates a fold-out stand and the other of which incorporates a belt clip. Note that reception range will be reduced when the unit is worn in close proximity to the body (see later notes).

Magnetic bivvy holster – this may be used to attach the unit to the inside of a bivvy. Hold the holster up to the inside wall of the bivvy and place the magnet on the opposite side, so that the fabric is gripped between the magnet and the rear of the holster. Place the unit into the holster.

OBTAINING BEST PERFORMANCE FROM THE RX3 RECEIVER

The operating range of the RX3 receiver, like all low

power radio systems, is highly dependant on the conditions of use and can be adversely affected by the position of both transmitter and receiver, the terrain over which it is being used, the prevailing atmospheric conditions and the presence of any interfering signals. To obtain best performance, it is recommended that you –

- (1) Ensure that your alarm head units are set-up as far as possible above ground level.
- (2) Keep the RX3 receiver as high above ground as possible – if worn on the body, it should be worn as high as possible (a shoulder pocket or epaulette is ideal)
- (3) Avoid wearing the unit close to the body – it should be worn on the outside of your clothing
- (4) Try to keep a direct “line-of-sight” between the receiver and transmitter – obstructions such as trees, buildings, etc may cause loss of signal, or reflections of the signal, resulting in “dead spots”.
- (5) Do not keep the RX3 receiver in the same pocket as a mobile phone, or other electronic device.
- (6) Ensure both your receiver and your alarms have good batteries.

If all the above points are adhered to, a working range

of up to 500 metres may be obtained. All the above hints become progressively less important, as the working range is reduced.

Remember to use the system responsibly – the RX3 receiver has been designed to give a long operating range in order to maximise reliability at close range and **NOT** to encourage users to leave their rods in the water unattended, whilst they are hundreds of metres away.

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