

MICRON

TXR
Plus

FOXTM



Operating Instructions

MICRON TXR_{PLUS} TRANSMITTER

TRANSMISSION LED INDICATOR



ON/OFF BUTTON

MICRON TXR_{PLUS} TRANSMITTER

TXR Plus Receiver and TXR Plus Transmitter units are designed to add remote capability for up to 4 bite alarm heads of any make, using 2.5mm or 3.5mm output sockets. Leads and plugs in both sizes are supplied.

FEATURES

- On/Off Button
- Four input sockets with waterproof cover
- Range test mode
- Four different output tones
- Red LED to indicate transmission
- FM transmitter with up to 500 metre range (dependant on conditions)
- Operates from 1x 'AAA' battery
- Long battery life
- Low battery indication feature
- Sealed weatherproof case
- Protective coated electronics
- Digital circuitry
- Factory programmed unique ID code (no need for code selection switches)

- Bracket for mounting unit to buzzer bar
- Set of numbered leads with right angle plugs
- Compatible with Halo Elite remote bivy light

OPERATION

NOTE: Before using your system for the first time, it is necessary to "register" the transmitter with the TXR Plus receiver. (See TXR Plus receiver "Registration Mode" on page 10 for details).

The following instructions assume that the TXR Plus receiver is already switched on and that the registration procedure has already been done.

TO SWITCH ON

Press and release (ON/OFF) button. A three note sequence will be heard from the receiver and the red LED on the transmitter will flash briefly.

TO SWITCH OFF

Press and release (ON/OFF) button again. A single low note will be heard from the receiver and the red LED on the transmitter will flash briefly.

TO CONNECT BITE ALARMS

Switch unit off. Unclip cover from rear of unit to reveal input sockets. Plug in the required number of leads for the number of alarms in use and push them into the serrated grooves at the base of the compartment.

Refit cover, ensuring that no leads or plugs are trapped between the cover and its rubber seal. Plug the other ends of the leads into the extension box outputs of your bite alarms.

Note that the alarm plugged into input 1 will illuminate the top LED on the receiver, the alarm plugged into input 2 will illuminate the next LED down on the receiver, and so on.

When using the TXR Plus System in conjunction with Delkim alarms it is important to set the tone on the alarm head to the highest pitch. Lower tone settings may result in sound distortion from your TXR Plus Receiver & inaccurate reproduction of the number and duration of triggers, Please note that this does not apply to any other make of alarm.

RANGE TEST MODE

To activate the range test feature, press and hold down the [ON/OFF] button on the TXR Plus Transmitter until the red LED starts to flash (after

approx 2 seconds). Release the button. The Receiver unit will then sound a sequence of four beeps, at medium pitch, repeating at intervals of approximately one second. The user can then walk away, with the receiver, to their desired location. If the test signal can still be heard from the receiver, then it is within reception range.

The test signal will continue until one of the following occurs –

- (i) Test mode auto-cancels. This will occur approximately five minutes after selecting test mode. The receiver will beep four times at high pitch, to indicate that test mode has timed out.
- (ii) One of the bite alarms is triggered. If this occurs, then the unit will revert to normal operation mode.
- (iii) The user switches the unit off. This also cancels test mode and the unit will re-start in normal mode when switched back on.

tone Differentiation

In order to help identify which bite alarm connected to the TXR Plus has been triggered, the TXR Plus receiver will reproduce a different tone for each of the inputs 1-4. If your bite alarms incorporate a tone control, it is advised that you set these up to approximate the

four different tones of the TXR Plus receiver. (unless using Delkims as detailed previously)

BATTERY

To fit / replace battery:

To access the battery compartment, first unclip the rear cover. Insert the special tool provided into the slot on the battery cover. Push the back of the tool outwards, towards the left hand edge of the unit and the cover will open.

Ensure battery is inserted the correct way round, as shown in the battery compartment.

BATTERY REQUIREMENTS:

The TXR Plus model requires 1 x 'AAA' size (LR03) 1.5V alkaline battery

The use of a good quality alkaline battery is essential for maximum battery life. The use of a rechargeable battery is not recommended. As with any battery operated product, it is recommended that the battery be removed, if the unit is not to be used for a long period of time.

LOW BATTERY WARNING

The TXR Plus constantly monitors its battery condition and indicates a low battery as follows –

Normally, when a bite alarm connected to the TXR Plus transmitter is triggered, the corresponding LED on the TXR Plus receiver illuminates steadily and latches on for 20 seconds. However, if the battery in the TXR Plus is low and a bite alarm is triggered, the corresponding LED on the TXR Plus receiver will flash and remain flashing for the 20-second latching period.

When this occurs, it is recommended that the battery in the TXR Plus should be replaced as soon as possible, to ensure continued operation.

BRACKET COMPONENTS

1. LOCKING BRACKET

2. BUZZ BAR CLAMP

3. RUBBER CLAMP INSERT

To fit Stalker, Sky, Horizon and A-Pods.

4. RUBBER CLAMP INSERT

To fit Quattro and X-Pods plus Rod-Lok buzz bars and Euro buzz bars.

5. RUBBER CLAMP INSERT

To fit 3 rod Goal Post buzz bars.



TRANSMITTER BRACKET FITTING INSTRUCTIONS

1. Select the correct rubber inserts to fit your buzz bar. Fit the clamp onto the bar.



2. Slide the locking bracket onto the clamp making sure the tapered ends to the clamp are slotted into the bracket the correct way, as shown below.



3. Attach the TXR Plus transmitter to the secured bracket.



5. Fit the plug to the rear of the TXR Plus transmitter and attach the protective cover. There are 4 numbered sockets allowing use with up to four alarm heads.



4. Fit the correct size jack plug (2.5mm or 3.5mm) to the socket on your alarm head. Here we have fitted the 2.5mm plug to an EOS alarm.

MICRON TXRPLUS RECEIVER

ON/OFF BUTTON

INTERCHANGEABLE
INDICATION
LED LIGHTS



VOLUME +
BUTTON

CHARGING LED

VOLUME -
BUTTON

MICRON TXRPLUS RECEIVER

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 TXR Plus system is used for the first time, it is necessary to “register” the transmitter with the receiver, so that the receiver can “learn” its unique

identification code. Before starting this procedure, ensure that the TXR Plus transmitter is switched OFF, then proceed as follows -

1. With the TXR Plus receiver already switched on, press and hold down its [ON/OFF] button. After about two seconds, the top LED will start to flicker rapidly. Release the [ON/OFF] button.
2. Switch on the TXR Plus transmitter unit. The top LED on the TXR Plus will stop flickering and illuminate constantly for a brief period and the TXR Plus will emit a single beep.
3. The second LED on the TXR Plus will then start flickering for a moment and will then illuminate constantly for a brief period, followed by another single beep.
4. This will be repeated for the third and fourth LEDs down.
5. All four LEDs on the TXR Plus will then start to flicker. Switch the TXR Plus receiver OFF.
6. Switch the TXR Plus receiver on again and the system is now ready for use.
7. Note that if an error has been made, registration mode can be cancelled at any time, by switching the receiver off.
8. Registration data is held in non-volatile memory and

so is held indefinitely when batteries are removed. It is not therefore necessary to repeat this procedure at any time.

9. If registration mode is entered accidentally, then simply switching the receiver off will terminate registration mode and prevent any corruption of the registration data.

OUT-OF-RANGE WARNING

The TXR Plus 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 TXR Plus model runs from 2 x ‘AAA’ NiMH rechargeable batteries (supplied) or can also be used with standard ‘AAA’ alkaline non-rechargeable cells, if the recharging feature is NOT in use.

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.

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 ADAPTOR IS INTENDED FOR INDOOR USE ONLY. DO NOT EXPOSE TO RAIN, DAMP OR MOISTURE.

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

LOW BATTERY WARNING

The TXR Plus 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.

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.

OPERATION OF RECHARGING FEATURE

1. Ensure that the rechargeable Nickel-Metal Hydride rechargeable batteries supplied are fitted 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 extinguished	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 required minimum temperature requirements are met
Constant amber (with occasional red flashes)	Fast charge	Battery is being fast charged	80 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 reach maximum capacity	10 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 (eg 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 will become slightly warm during fast charge, this is normal
- The AC/DC adapter will become warm in use

INTERCHANGEABLE COLOURED LED LENSES

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

Stand & belt clip – the TXR Plus 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 TXRPLUS RECEIVER

The operating range of the TXR Plus 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 TXR Plus transmitter is set-up as far as possible above ground level.
- (2) Keep the TXR Plus 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 receiver in the same pocket as a mobile phone, or other electronic device.
- (6) If working at long range, always use the range test facility on your transmitter, to ensure that you are in range and will not miss a take.
- (7) Ensure both your receiver and your transmitter 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 TXR Plus 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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