

**GB OPERATING INSTRUCTIONS DELKIM *Plus* & Tx-i *Plus***

Delkim Ltd, hereby declares that, the Tx-i Plus is in compliance with the essential provisions of Directive 1999/5/EC. The Declaration of Conformity may be consulted at www.delkim.co.uk

NL BETRIEBSANLEITUNG DELKIM *Plus* & Tx-i *Plus*

Delkim Ltd, verklaart hierbij, dat deze Tx-i Plus voldoet aan de EU Konformiteitsrichtlijn 1999/5/EC. Deze Konformiteitsrichtlijn kan worden bekeken op www.delkim.co.uk

D BEDIENINGSHANDLEIDING DELKIM *Plus* & Tx-i *Plus*

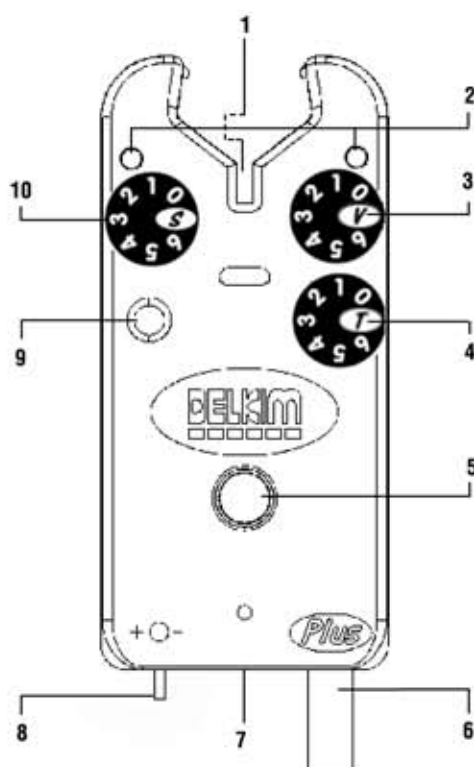
Delkim Ltd, erklärt hiermit, dass der Tx-i Plus die EU Konformitätserklärung 1999/5/EC erfüllt. Die Konformitätserklärung kann auf www.delkim.co.uk angesehen werden.

I ISTRUZIONI PER DELKIM *Plus* & Tx-i *Plus*

Delkim Ltd dichiara che il Tx-i Plus è conforme alle disposizioni essenziali della Direttiva 1999/5/EC. La Dichiarazione di Conformità può essere consultata all'indirizzo internet: www.delkim.co.uk

FR CONSIGNES D'UTILISATION DELKIM *Plus* & Tx-i *Plus*

Delkim Ltd, déclare par ce-ci, que ce Tx-i Plus est conforme a la norme europeene 1999/5/EC. Cette declaration de conformitee peut-etre consulter sur le site www.delkim.co.uk

**GB NL D I FR**

	GB	NL	D	I	FR
1	Sensor	Sensor	Sensor	Sensore	Palpeur
2	Twin LEDS	LEDS	Leuchtdiode	LEDS	LEDS
3	Volume	Volume	Laustärke	Volume	Volume
4	Tone	Toon	Ton	Tono	Tonalité
5	Speaker	Luidspreker	Lautsprecher	Altoparlante	Baffle
6	Aerial (Tx-i <i>Plus</i>) Extension Output (<i>Plus</i>)	Antenne (Tx-i <i>Plus</i>) Externe Aansluiting (<i>Plus</i>)	Antenne (Tx-i <i>Plus</i>) Ausgangsbuchse (<i>Plus</i>)	Antenna (Tx-i <i>Plus</i>) Uscita Per Cavi (<i>Plus</i>)	Antenne (Tx-i <i>Plus</i>) Sortie Extension (<i>Plus</i>)
7	Nitelite Output	Nitelite Aansluiting	Nitelite Ausgang	Uscita Nitelite	Sortie Nitelite
8	Power & Sensitivity Range Switch	Aan/Uit & Gevoeligheidsinstalling	Ein/Aus – Und Empfindlichkeitsbereichs Schalter	On/Off Regol Sensilita	Bouton De Rglageglage De Puissance Et De Sensibilité
9	Multi-Function Push Button	Multifunctionele Druknop	Multifunktionsdruckknopf	Pulsante Multifunzione	Bouton Poussoir Multi-Fonctions
10	Sensitivity	Gevoeligheid	Sensibilität	Sensibilita	Sensibilité

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INTRODUCTION - Thank you for purchasing the Delkim ***Plus*** Bite Alarm. Since it was introduced in 1992, the Delkim has set new standards for bite indication and reliability in all conditions. The Delkim ***Plus*** retains the tried and tested piezo vibration sensing with no moving parts and works by the line passing over a guide attached to a tiny electronic vibration sensor. This guide is virtually indestructible and is guaranteed for life against normal wear and is unaffected by modern hi-tech lines including braids.

The Delkim vibration system gives the angler a level of controllable sensitivity where sometimes a degree of skill of interpretation is needed to determine if the indication is a strikeable bite. It has an unsurpassed range of sensitivity adjustment and it is the only vibration based system that is truly adjustable to cover every known angling situation and variation in conditions. It is also unique in that it can give proportional indication of not only the speed of line movement, both run and drop-back, but also shock vibrations transmitted down the line. These can be from rod tip movement, line bites, but more importantly from lead movement where today's educated fish do not always run. Skilled interpretation of single bleeps has undoubtedly resulted in more fish on the bank which would have given no indication at all with other systems.

OPERATING INSTRUCTIONS DELKIM *Plus* & Tx-i *Plus*

For those already familiar with the standard features go straight to EXTRA DELKIM *Plus* FEATURES otherwise read operating instructions fully.

INSERTING BATTERY - Connect a PP3 type 9 volt battery and insert WITH THE CONNECTION AT THE BOTTOM to protect the battery connector from corrosion should any water enter the battery compartment. The battery compartment is sealed from the rest of the Delkim to prevent water getting on to the circuit. A Duracell MN1604 battery is highly recommended for optimum performance and will last about one year. ALWAYS ENSURE THAT THE DELKIM *Plus* IS SWITCHED OFF WHEN CONNECTING A NEW BATTERY. When connecting a new battery the microprocessor may reset itself and the process can be variable. **ALWAYS SWITCH ON AND TEST FUNCTIONALITY AFTER CONNECTING A NEW BATTERY.** IF IN DOUBT SWITCH OFF, DISCONNECT BATTERY, WAIT FOR 10 SECONDS AND REPEAT PROCEDURE.

ROD POSITIONING - Make sure that the line makes good contact with the sensor. DO NOT use extreme rod angles either pointing the tip up or down at an angle of more than 30 degrees from horizontal and in particular DO NOT position the butt ring up against the Delkim *Plus*. The resulting angle of the line around the sensor could cause the line to make poor contact and may reduce drop-back indication. *Self-adhesive rubber foam is supplied which may be cut and fitted to the Delkim *Plus* to minimise rod slip.*

WARNING - DO NOT SWITCH ON OR ACTIVATE CLOSE TO THE EAR WITH THE VOLUME SET AT MAXIMUM OR PERMANENT HEARING DAMAGE MAY OCCUR.

SWITCH ON & SELF-TESTING SEQUENCE - Select the required sensitivity level using the Power & Sensitivity Range Switch, as follows:

- OFF (0) - The indicator is turned off completely.
- HIGH (+) - This position gives the maximum sensitivity/response.
- LOW (-) - This position gives a lower sensitivity/response.

When switched on the Delkim *Plus* tests its speaker, LED and battery condition with three pulses/flashes it then goes straight into service. This is an extra feature of the Delkim *Plus* which with a Tx *Plus* connected can also be used for programming the Rx *Plus* Mini Receiver.

(For DELKIM Tx-i *Plus* switch on sequence see Tx-i *Plus* EXTRA FUNCTIONS & INSTRUCTIONS)

IMPORTANT - The HIGH (+) and LOW (-) switch positions are NOT just a change of range. High number settings on the rotary sensitivity control in LOW (-) may appear to give the same in line speed relationship as low number settings in HIGH (+). However the Delkim *Plus* will ALWAYS be more responsive in HIGH (+) and some experimentation may be needed to get the best setting for any given situation.

SENSITIVITY CONTROL (S) - This control is for fine adjustment (0-6) of sensitivity in the HIGH (+)/LOW (-) switch positions. For full information see separate section on sensitivity adjustment.

VOLUME (V) & TONE (T) CONTROLS - Rotating the controls clockwise (0-6) increases the volume level and raises the tone frequency. The volume control can be set at absolute zero which is particularly useful when using the Rx *Plus* Mini Receiver or Mini Extension Box.

DELKIM *Plus* FEATURES

LED MODE SETTING - There are 5 different LED modes set by holding down the push button until the required number of bleeps are heard. NOTE - Every time the unit is switched on it reverts to the DEFAULT SETTING.			
MODE SETTING	BRIGHTNESS	NITELITE **	RECOMMENDED USE
DEFAULT SETTING	NORMAL	OFF	Normal night use, night marking not required
ONE BLEEP	NORMAL	ON	Normal night use, night marking required
TWO BLEEPS	HIGH *	OFF	Day use, night marking not required
THREE BLEEPS	HIGH *	ON	Distant night use, night marking required
FOUR BLEEPS	LOW	ON	Close night use, night marking required

*** WARNING - NEVER LOOK DIRECTLY INTO THE LEDS WHEN HIGH BRIGHTNESS IS SET. PERMANENT VISION DAMAGE OR VISUAL DISTURBANCE MAY BE EXPERIENCED. BATTERY LIFE WILL BE REDUCED WHEN HIGH BRIGHTNESS IS USED.**

****** With the Patented NITELITE night marking switched on the twin LEDs glow gently enabling the user to see the exact position of the Delkim Plus against the darkest background. This eliminates the need for Betalights which are banned in most EC Countries.

NOTE - Although the battery consumption with the NITELITE mode on continuously is exceptionally good it will reduce the battery life slightly and it is therefore recommended to be switched off when not needed.

NITELITE OUTPUT (small socket) - This socket is for the connection of the Delkim NITELITE illuminated hanger only and it must be used exactly as recommended.

BATTERY CONDITION SELF-TESTING - The Delkim *Plus* active battery test monitors battery condition continuously during use. A distinctive single drooping low tone indicates a low battery but is only advisory enabling the user to continue to use the Delkim *Plus* for a considerable time with no loss of functionality. Brighter LED settings take more current and the low battery warning will be variable dependent on the set LED mode. **To prolong battery life after a low battery warning is given, select a lower LED brightness level.** Continuously repeated low battery warnings indicate BATTERY FAIL and it must be changed immediately.

EXTENSION OUTPUT (large socket - Delkim *Plus* only) - For Tx *Plus* Micro Transmitter and lead connection to Mini Extension Box. For operation see relevant product instructions.

NOTE - The extension output and the NITELITE output sockets are NOT compatible with any other manufacturers products and connection of any non-Delkim made device may cause damage to the circuit which WILL invalidate the guarantee. Delkim will not accept any responsibility for damage caused to other devices connected to the outputs.

DELKIM Tx-i *Plus* (integral radio transmitter) EXTRA FUNCTIONS & INSTRUCTIONS

AUTOMATIC FM RADIO TRANSMISSION - All visual & audible information from the Delkim is transmitted automatically. When operated with the Rx *Plus* Mini Receiver, the use of the Tx-i's own speaker is optional but is best set to zero. For more information on the Radio Transmission see the Rx *Plus* Mini Receivers instructions.

SWITCH ON RADIO TEST - At switch on, the Tx-i *Plus* tests its speaker, LED and battery condition. After a short pause the radio transmission is tested with four further pulses which are transmitted only without the Tx-i's LED flashing. The transmitted pulses can be used for programming the Rx *Plus* Mini Receiver. **The switch sensitivity range (+ or -) can be changed without turning the Tx-i *Plus* off, by changing range quickly provided there there is no delay in the off position.**

NOTE - When fitting certain types of visual indicator it may be necessary to mount the fittings between the locking collar and the bottom of the Tx-i to give sufficient clearance from the buzzer bar to avoid fouling the aerial tube. An extra long bolt with additional locking collar Code D0017 is also available for additional clearance.

ANTI-THEFT ALARM - Whenever the Tx-i *Plus* is switched off it transmits a unique anti-theft message to the Rx *Plus* Mini Receiver for about 8 seconds. During this time if the Tx-i *Plus* is switched on again there will be a delay before it resets, until it stops transmitting the anti-theft message. When used with the Rx *Plus* Mini Receiver switched on, and the anti-theft alarm activated, this will give a 20 second alternating alarm tone which cannot be overridden. This makes it very difficult to steal a Tx-i *Plus* without either activating the anti-theft alarm or making it bleep due to vibration, which in either case would alert the user PROVIDED the Rx *Plus* Receiver is SWITCHED ON. **For further information on ANTI-THEFT ALARM see Rx *Plus* Mini Receiver instructions.**

BATTERY CONDITION SELF-TESTING & BATTERY FAIL WARNING - As Delkim *Plus*, except the warnings are also transmitted to the Rx *Plus* Mini Receiver indicating both audibly and visually (by LED activation) which Tx-i *Plus* has the low battery.

AUTO-TRANSMIT RANGE TEST - Allows the user to check range and reception with the Rx *Plus* Mini Receiver. To activate, simply press and hold down the multi function push button, switch the unit on with the button still depressed, wait for the three switch on bleeps/flashes, a short pause, a further single bleep/flash and then release the button. On release of the button the unit will then pulse continuously.

RUN OVERRIDE - If a bite occurs during range testing it will be picked up instantly and it will automatically cancel the auto-transmit. To cancel normally either press the button again, switch the unit off or manually activate run override. If a range test is carried out during use, any LED mode used other than the default will have to be reset. **Range will always depend on bankside obstructions, atmospheric conditions, positioning of transmitters & receiver and may vary from unit to unit. The range check facility will give a rough guide to the reception range but as conditions change constantly it should not be relied upon.**

WARNING - THE TRANSMISSION PERFORMANCE OF THE Tx-i *Plus* MAY BE SEVERELY IMPAIRED IF THE AERIAL TUBE IS CLOSE TO THE GROUND OR CLOSE TO ANY METAL OBJECT. RANGE CAN BE IMPROVED DRAMATICALLY BY RAISING THE Tx-i *Plus* BY JUST A FEW CENTIMETRES. DO NOT HOLD THE Tx-i WITH YOUR HAND NEAR THE AERIAL TUBE AND TEST FOR RANGE AS THIS MAY BE TOTALLY MISLEADING. THE Tx-i IS DESIGNED TO GIVE OPTIMUM PERFORMANCE IN NORMAL FISHING SITUATIONS WHERE YOUR HAND WOULD NOT BE NEAR THE AERIAL. (See Rx *Plus* Mini Receiver instructions for further information.)

SENSITIVITY ADJUSTMENT

The Delkim works by sensing vibration from contact of the line with the sensor and it has intelligent electronics and very sophisticated controls to ensure that all of the information from the movement of the line is relayed to the angler both audibly and visually. If the Delkim is set up and adjusted correctly, false bleeps can be eliminated and yet a high degree of sensitivity to line movement can still be maintained. By following these instructions the user will get the very best performance from the Delkim :-

NORMAL LEGERING - Place your rod on the Delkim Plus in the normal way. Set your visual indicator and before clipping up or setting the free spool, pull the line behind the Delkim Plus to move the indicator, having already selected either HIGH (+) or LOW (-), and at the same time gradually turn the sensitivity control(S) clockwise from 0 or minimum to a higher number until the required level of response is reached. It is always best to initially set the sensitivity level slightly higher than is thought necessary, starting in HIGH (+). If false indications occur reduce the sensitivity level gradually until they stop, even as far as 0 if necessary. If false indications persist change to LOW (-), increase the rotary sensitivity control to maximum, and again gradually reduce the level until they stop. You will notice that as the speed of the line is increased the sound pulses get quicker until Delkim's unique alternating alarm mode is activated. It is not usually advisable to set the sensitivity so high that the alarm mode is activated as soon as the line starts to move as you will lose some speed indication.

QUIVERTIPPING or SEA FISHING - Turn up the sensitivity level to maximum in the HIGH (+) setting. If false indications occur, adjust back gradually until they stop. Experiment with the HIGH (+) or LOW (-) switch position until the best setting is found for the conditions. Positioning the rod on the indicator with the rod tilting upwards slightly may sometimes give better indication and therefore an angle adjuster may be needed to get optimum performance. Using a Delkim Plus beyond a quiver tip in conjunction with a marker board gives unbelievable bite indication.

IMPORTANT - BECAUSE OF COMPONENT TOLERANCES THERE MAY BE A SLIGHT VARIATION IN SENSITIVITY BETWEEN ONE DELKIM AND ANOTHER. IT MAY THEREFORE BE NECESSARY TO GO THROUGH THE SENSITIVITY ADJUSTMENT ROUTINE FOR EACH DELKIM IN ORDER TO GET THE OPTIMUM SETTING.

ELIMINATING FALSE BLEEPS - False bleeps may occur for the following reasons:-

Sensitivity set too high - If this happens simply reduce the sensitivity by turning the rotary (S) control anti-clockwise until the false bleeps stop. A change of the sensitivity range from + to - may be needed in extreme conditions.

NOTE - experience will be needed in certain situations where the user may decide to tolerate false bleeps in order to deliberately maintain a very high sensitivity setting.

Unwanted shock vibrations - False bleeps caused by kicking or knocking the rods, debris falling on the rod or line, visual indicators moving in the wind and unstable set ups cannot be eliminated by sensitivity adjustment. Sudden gusts of wind, hailstones falling on the line and very occasionally torrential rain may cause false bleeps which can be eliminated by reducing the sensitivity.

Sound vibrations - It may be possible in extreme circumstances i.e. Maximum sensitivity, high volume and a specific tone frequency to get cross activation of the indicators. This is due to the vibrations from the extremely loud Delkim Plus speaker being picked up by the extreme sensitivity of the Delkim Plus sensor in another head. If this is a problem just make a slight reduction to the sensitivity setting on the head giving g the false indication or change the tone setting or reduce the volume on the head that is making it give the false indication. This may be more noticeable when a Delkim Plus is switched on but has no line over the sensor, allowing it to vibrate undamped - if this is the case just switch it off until it is going to be used.

CARE OF YOUR DELKIMS

GENERAL CARE - A personal message from Del Romang.

"Delkims are sophisticated electronic devices which will respond to a bit of TLC - tender, loving care. The line sensors will withstand normal use indefinitely but WILL NOT take extreme shocks such as being attacked by a piece of card in an attempt to spin the non-existent wheel - yes, it does happen. After use give them a clean with a damp cloth to remove all that lovely mud and in particular if they have been out in the rain put them somewhere warm to dry out slowly. Do not be afraid to use a reasonable amount of heat or even a hair dryer but NEVER dry over an open flame as this may damage them and possibly invalidate the guarantee.

If you are unlucky enough to drop your precious Delkim in the water, quickly switch off and remove the battery and try to shake out most of the water through the holes in the bottom. Leave them somewhere warm to dry out naturally and don't be tempted to dry them out over your stove and melt them. A couple of hours of drying should have them working again unless you're very unlucky in which case a bit more heat may be needed to drive out the moisture.

DO NOT SPRAY THEM WITH ANY SUBSTANCE WHATSOEVER AND PARTICULARLY NOT WD40. THIS WILL NOT ONLY INVALIDATE THE GUARANTEE BUT MAKE ANY FURTHER SEALING IMPOSSIBLE DUE TO THE CONTAMINATION IT LEAVES BEHIND.

Electronics cannot be serviced like mechanics and the Delkim *Plus* will work perfectly unless there is an actual fault which will be dealt with by our Service Department."

SENSOR/LINE GUIDE - The line guide has a LIFETIME GUARANTEE against wear but the sensor itself is not and, although it is designed to withstand normal use, it is possible for an extreme shock to cause a permanent loss of sensitivity. As the sensor/line guide is the most important part of the Delkim, it is essential to treat it with care and in particular DO NOT test it with any hard object or subject it to any abnormal pressure. Should it become damaged it can be only be replaced by our SERVICE DEPARTMENT.

BATTERY - If the indicator is not going to be used for a long time i.e. the close season and the battery is thought to be low it is advisable to remove it to a case of leakage. The fewer times a battery is attached to the connector the less likely it is to give a poor contact, however if you suspect a poor connection squeeze the claws on the female connection using finger pressure only and this will restore the good contact.

GUARANTEE AND AFTER SALES SERVICE

DELKIM electronic products do not require servicing and will normally give many years of faultless operation. In the unlikely event of a failure due to faulty manufacture or components within 2 years of purchase, DELKIM Ltd will, at our discretion, either repair or replace with an equivalent new or service replacement unit, absolutely free of charge provided proof of purchase is retained. All other repairs will be chargeable and subject to availability of parts. We reserve the right not to repair if the unit has not been used strictly in accordance with our recommendations, has been modified in any way, including aerials, had the barcode or seals removed, treated with any substance or for cosmetic reasons. Please return with a full description of any fault to your Delkim dealer, alternatively in the UK ONLY direct to our Service Department.

WARNING - DELKIM WILL NOT BE RESPONSIBLE FOR THE USE OF OUR PRODUCTS IN CONTRAVENTION OF ANY FISHERY, ENVIRONMENTAL OR RADIO REGULATIONS.