

HINTS & TIPS ON SENSITIVITY ADJUSTMENT

Experience has shown that there are no hard and fast rules because of the multitude of different methods used to detect bites and personal preferences but here are a few general guidelines.

1. It is generally best to use the maximum sensitivity settings that you can sensibly use governed by the conditions, line tension & diameter, indicator weights, range being fished and fish activity. As a rough guide the point to start from is low number settings on the rotary sensitivity control (0-2) in the HIGH (+) switch setting.
2. The Delkim works on both vibration and line friction and, in general, lower diameter and low friction lines need a higher sensitivity setting. The exceptions to this are braids which, although low in diameter are generally not as smooth as nylons and also due to their non-stretch properties, transmit vibrations better and therefore may need a lower setting. Less line tension, usually governed by the weight or tension setting of the visual indicator, requires higher sensitivity settings. There is a point reached, however, when increasing the line tension may have a dampening effect on the sensor and the sensitivity control needs increasing in order to maintain the optimum sensitivity - trial and error is needed to arrive at the optimum setting.
3. Fishing at long range usually requires a high sensitivity setting as the visual indicator movement expected is generally less.
4. In extreme conditions where wind, waves, current and undertow are causing false indications, the LOW (-) switch setting may be needed. It is still possible to pick up quite small tweaks or dropbacks, even in relatively low sensitivity settings. On the other hand if a lot of line tension is being used it is also surprising how high the sensitivity can be set without any false indications.
5. Do not be misled by the fact that extremely slow movement, i.e. snails pace, may not register at all, this is what makes the Delkim so good in the wind and prevents false bleeps. Thousands of users experiences have shown that although a genuine pick up may not move the visual indicator at all, it always gives a very slight vibration which is enough to register as a couple of bleeps on the Delkim. These vibrations may not give any indication whatsoever on other Bite Alarms.
6. In general it is best NOT to have a rod ring between the Delkim and the point where the visual indicator attaches to the line to maintain maximum sensitivity. The one exception to this can be when using free hanging indicators (NOT swinging or tension arm devices) which can move about in the wind sometimes causing false bleeps - in this case it can be better to have an intervening rod ring which will help dampen out some of the unwanted vibrations.
7. In rivers or large canals where flow, debris and boat traffic can cause problems, it has been found that nearly every take is a screamer taking line off the free spool. In this situation it is possible to set the sensitivity so low, nearly to zero in LOW (-), that movement of the visual indicator gives no indication at all but once the free spool starts to turn the Delkim bleeps very slowly. This can eliminate false bleeps totally and is a unique feature of the Delkim which is impossible to get with other bite alarms.
8. Drop backs - do not forget that indication of a drop back is governed totally by the ability of tension on the line from a visual indicator to take up any slack caused by the lead being moved towards the angler. This is magnified by the length of line in the water (range) and what it may be touching i.e. weed and also if it is pinned to the bottom by back-leading etc. Drop backs will therefore always give less indication than runs and where they are expected higher sensitivity levels must be set in order to give good indication.

If any further help or information on sensitivity settings is needed please contact Delkim direct.

GUARANTEE AND AFTER SALES SERVICE

There is a 2 year guarantee against faulty manufacture or component failure. Provided the equipment has not had any seals broken, aerials tampered with or been abused or treated with any substance, DELKIM LTD will repair or replace at our discretion any faulty unit with a new or Service Replacement within 2 years of purchase, provided proof of purchase is retained. All other repairs may be charged at our discretion and any payment required must be made in full before the units can be returned. Please return direct to DELKIM LTD for our rapid repair service with a full description of any fault or via your DELKIM dealer, although this may take longer.

TOTAL IMMERSION - IF ANY UNIT GETS ACCIDENTALLY IMMERSSED IN WATER, RETRIEVE AS QUICKLY AS POSSIBLE, SWITCH OFF, REMOVE BATTERY AND ALLOW TO DRY COMPLETELY. SOME APPLICATION OF HEAT MAY BE NECESSARY IN ORDER TO FULLY DRY THE UNIT. DO NOT OVERHEAT OR DRY OVER AN OPEN FLAME. IN THE UNLIKELY EVENT THAT WHEN TOTALLY DRY THE UNIT MALFUNCTIONS RETURN TO OUR SERVICE DEPARTMENT.

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DELKIM STANDARD & Tx-i BITE INDICATOR

INTRODUCTION - Thank you for purchasing the Delkim Bite Indicator which, since it's introduction in 1992, has set new standards for bite indication and reliability in all conditions. The Delkim has 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 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's range of sensitivity adjustment is unsurpassed 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 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.

MAIN USES - Carp fishing still remains the number one use of the Delkim but wherever legering techniques are used, the Delkim gives the edge. Pike and Barbel Anglers have come to appreciate the advantages that the extra sensitivity can give and the special methods employed by Catfish and Eel Specialists again exploit this advantage. Using a Delkim beyond a quiver tip in conjunction with a marker board would no doubt be banned in match fishing as the bite indication is unbelievable. The Delkim has even been used successfully for Sea Fishing from the beach or pier in certain conditions.

OPERATING INSTRUCTIONS

INSERTING BATTERY - Slide off battery compartment lid at rear of the Delkim and insert a PP3 type 9 volt battery and replace lid. A Duracell MN1604 battery is highly recommended for optimum performance and will give at least a seasons use before it needs to be replaced.

OPTIONAL BETALIGHT - The special Betalight is designed to be glued into the recess below the line slot and will give visual indication for rod positioning in the dark.

ROD POSITIONING - Most normal rod positions can be used, however extreme rod angles either pointing the tip up or down at an angle of more than 30 degrees from horizontal or placing a ring up against the Delkim could result in the line not making good contact with the sensor and a slight adjustment to the rod position may be needed. In particular DO NOT position the butt ring up against the Delkim as the resulting angle of the line around the sensor could cause the line to make poor contact with the sensor on a drop-back and give poor indication.

SWITCHING ON - Switch the three position toggle to the required sensitivity level, as follows: + = High, - = Low, O = Off (these marks are on the head above the switch).

OFF (o) - The indicator is turned off completely.

HIGH (+) - This position gives the maximum sensitivity/response.

LOW (-) - This position gives a lower sensitivity/response.

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 will ALWAYS be more responsive in HIGH (+) and some experimentation may be needed to get the best setting for any given situation.

ROTARY SENSITIVITY CONTROL (s) - This control is for fine adjustment of sensitivity in the HIGH (+)/Low (-) switch positions.

VOLUME (v) & TONE (f) CONTROLS - Rotating the controls clockwise 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 SYSTEM 2000 or Mini Extension Box. NOTE that it is possible to adjust tone control beyond the normal range and you will notice a very high tone and a considerable decrease in volume. This is to allow for the battery voltage to drop and still allow the full range of normal tone settings to be made.

SENSITIVITY ADJUSTMENT

NORMAL LEGERING - Place your rod on the Delkim in the normal way. Set your visual indicator and before clipping up or setting the free spool, pull the line behind the Delkim 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 the 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 and - low switch positions 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.

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.

NOTE - 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 speaker being picked up by the extreme sensitivity of the Delkim sensor in another head. If this is a problem just make a slight reduction to the sensitivity setting on the head giving 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 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.

As sensitivity setting is critical to get the optimum performance from the Delkim read the section Hints & Tips on Sensitivity Adjustment at the end.

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

FOR THE BASIC FEATURES AND OPERATION OF THE Tx-i PLEASE REFER TO THE MAIN DELKIM INSTRUCTIONS. THE MICROPROCESSOR CONTROLLED DELKIM Tx-i's EXTRA FUNCTIONS ARE AUTOMATIC, MAKING IT EASY TO OPERATE WITHOUT ANY EXTRA CONTROLS. THE EXTRA FUNCTIONS ARE AS FOLLOWS :-

AUTOMATIC FM RADIO TRANSMISSION: - All visual & audible information from the Delkim is transmitted automatically. When operated with the Rx2000/20004 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 main SYSTEM 2000 instructions which comes with the Mini Receivers.

SWITCH ON SELF-TESTING SEQUENCE - When switched on the Tx-i tests its speaker and LED with three pulses/flashes, the sound is only heard if the Tx-i's volume is turned up. 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 of the Rx2000/2004 Mini Receiver or to set it's receive mode when it is first switched on. Whenever the switch sensitivity position is changed the self-testing sequence is repeated. If the self-testing sequence "locks up" giving a continuous un-pulsed tone, leave switched on and it will correct itself..

NOTE :- If the Tx-i is switched on with the sensitivity level set fairly high, it may be possible to start the Auto-Transmit sequence and one or two high tone "pips" heard. This is normal and once the switch on sequence is completed the Tx-i will be ready to use.

BATTERY CONDITION SELF-TESTING - The Tx-i tests it's own battery condition every time it is switched on and every time it is activated, just as the LED goes out and, if the battery is low, a single low tone /warning will be given. This warning will be heard from the Tx-i's own speaker, if used, and as it is also transmitted, to the Rx2000/2004 Mini Receiver's speaker, lighting up the LED in the receiver for a further 20 seconds to identify which Tx-i has transmitted the low battery warning..

NOTE - The Tx-i's low battery warning is the higher tone of the two low battery warnings capable of being indicated at the receiver. For easy identification of which low battery warning remember that the Tx-i tests the battery condition when it's LED goes out 20 seconds after the last sound pulse whereas the Rx2000/2004 Mini Receiver tests it's own battery condition whenever one or more of it's LEDs are on and immediately after a sound pulse or series of sound pulses.

BATTERY LIFE - The battery life of the Tx-i is similar to that of a Standard Delkim and the user can expect at least a year from a good quality alkaline battery. When using the recommended battery the Tx-i will continue to function normally even after the low battery warning is given during use. This will vary depending on the temperature, amount of activation and between units. If the low battery warning is heard for the first time during use at the end of a run, the battery may recover sufficiently to allow a further period of low activity use. If the low battery warning is given when first switched on after having been off for days the battery should be renewed immediately.

When changing battery always ensure Tx-i is switched off.

AUTO-TRANSMIT RANGE TEST - This can be activated at switch on and allows the user to check the transmission range. To activate turn the sensitivity level up, switch on and immediately after the first three pulses, vibrate the sensor, before the four transmitted pulses.. A single pulse and LED flash will confirm the start of the Auto-transmit sequence. Wait for a second single pulse/LED flash and vibrate sensor again and it will then pulse continuously until switched off. If you do not vibrate the sensor as soon as the second single pulse is heard it will go into normal service. With the Auto-transmit activated the user can check the

reception range by walking around with the receiver. This is only a rough guide as ultimate range varies according to conditions and between units. This sequence prevents accidental activation of the auto-transmit function and at first you may find this a bit difficult to do but once the sequence is learnt it is very easy.

NOTE - When fitting certain types of visual indicator, for example the Solar Tackle swinging arm, 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.

WARNING - THE TRANSMISSION PERFORMANCE OF THE Tx-i WILL BE SEVERELY IMPAIRED IF ANY LARGE MASS TOUCHES OR IS VERY NEAR THE AERIAL TUBE. IN PARTICULAR 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.

EXTENSION BOX CONNECTION (DELKIM STANDARD ONLY)

Plug the connecting lead into the extension socket on the Delkim and into the Delkim extension box, making sure the plugs go right into the sockets, particularly on the Delkim. Adjust the volume on the Delkim head to zero, this then allows full control from the Delkim extension box which will reproduce exactly the tone setting on the Delkim head without any need for a tone control. It is not strictly necessary to turn the volume on the head down to zero but if you don't it does defeat the object of using the extension box which is to extend the sound into your sleeping quarters without waking everyone else round the water if you get a take.

NOTE - Delkim extension boxes are not generally compatible with other bite indicator systems and other extension boxes may not work with the Delkim. Any damage caused to the output circuit of the Delkim caused by using with non Delkim extension boxes will invalidate the guarantee.

CARE OF YOUR DELKIMS

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/lineguide is the most important part of the Delkim, it is essential to treat it with care and in particular DO NOT to 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 in 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.

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.

Don't be tempted to spray them with something like WD40 which is totally unsuitable for use on low voltage circuits and will not only invalidate the guarantee but make any further sealing very difficult due to the contamination it leaves behind.

The holes around the extension socket and the switch are open deliberately to allow air circulation to prevent condensation being trapped, however, if you set your rods up in the water, it is possible for very heavy rain to splash up underneath. This may cause corrosion of the circuit in extreme cases but we can supply special sealing plugs to prevent this happening, obtainable free of charge from our Service Department. Continual use of the sealing plugs is, however, not recommended and if they are used remove them as soon as possible to allow the air to circulate again.

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

If you are unlucky enough to drop your precious Delkim in the wet stuff don't panic, unless you can't retrieve it. 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."