

# READ THIS FIRST!



## Mini Thumper Instructions

### Installation and Power Selection

The Mini Thumper uses a 12 Volt source for power. It comes with two options for power. **Only use the cables provided to power the Mini Thumper to prevent damage to the unit.** Open the top of the Mini Thumper case to choose the preferred method to provide power. Remove any other power cable not being used to prevent the cable from interfering with the Mini Thumper's thumping mechanism.;

- Internal Method: use the 3/16-inch (f1) spade lug connectors that are intended for use with a portable battery. (Battery and charger are not included) A minimum of 5-amp hour rechargeable with appropriate connectors is recommended. Of course, red wire goes to positive terminal (+), and black wire goes to negative terminal (-). **WARNING: Connecting the wires in reverse polarity will destroy the electronics of the Mini Thumper.**



Example 12V 5AH SLA rechargeable battery

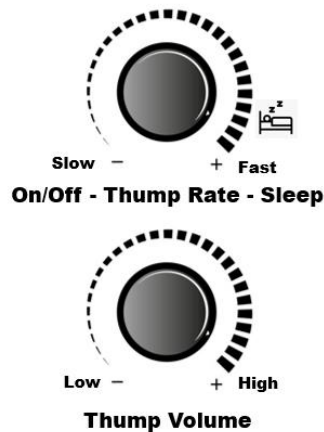
Shown above is the WEIZE TL1250 with dimensions 3.94 x 3.54 x 2.80 Inches. Similar size 12V batteries with 3/16 spade terminals (f1) for Home Alarms, UPS Systems and Electric Scooters will work as well. **To avoid damage to the Mini Thumper, do NOT create your own power cables. Do not attempt to charge the battery until it is COMPLETELY disconnected, and removed from the Mini Thumper!**

- External Method: The other method of providing power is to use the marine accessory plug. To use this method, connect the accessory plug provided (male cigarette lighter style) to the Mini Thumper via the 2 pin Quick Connect cable provided. The Quick Connect 2 pin cable coming from the marine accessory plug can only be connected to the Mini Thumper one way. This prevents polarity from being reversed damaging the Mini Thumper. The photo below shows the Quick Connect end of the provided power cables. The bare metal prong is positive (+) colored red, and the insulated prong is negative (-) colored black;



- Connect the Quick Connect end of the power cable provided to the matching Quick Connect of the Mini Thumper. (Male to Female, and Female to Male) This arrangement prevents the polarity from being reversed and damaging the unit. Close the top and you are ready to operate the Mini Thumper. The external cable should be dressed through the notch provided in the upper corner of the case to maintain maximum dust and water resistance.

## Operation



**Turn on the Mini Thumper (TOP DIAL):** To turn on the Mini Thumper slowly turn the top dial clockwise until you hear a click. This provides power to the electronics and turns the unit on. Only the top dial has the audible click. The lower dial used for volume does not click. Both dials are surprisingly sensitive. Best practice has shown that turning them **SLOWLY** will provide the best results. This allows the angler to take advantage of the greatest possible thump rates, and thump intensities.

**Setting the Thump Rate (TOP DIAL):** The top dial is used for setting the thump rate. From the on position, the thump rate increases as the dial is slowly rotated clockwise. The thump rate will increase as the dial is rotated clockwise until the fastest rate is reached. (About 2 thumps per second). **After this top rate is reached and the dial is continued to be rotated clockwise the unit will enter a “SLEEP” mode so it does not damage itself. It is still on, but the top dial must then be slowly backed off in the counterclockwise position until thumping is again achieved.**

**Setting the Thump Volume (BOTTOM DIAL):** The lower dial controls the thump intensity or volume. In the fully counter clockwise position the thumper will be silenced, but is still active. As the dial is turned clockwise the thump intensity (loudness) will increase until it reaches it’s maximum. The thump rate and intensity are both reflected in the super bright green LED on the side of the unit.

**Helpful Hint; A good place to start with the top and bottom dials is to set BOTH dials in the middle of their operating range. SLOWLY turn the top dial to adjust the thump rate, and the bottom to adjust the volume of the thump.**

**Mini Thumper Placement:** Place the Mini Thumper in a place on your boat that provides the best thump to the hull. You may want to position a piece of wood under the unit, or experiment with different locations to get the best thump transferred to the hull. Best practice has shown that a small weight placed inside the unit helps with transferring vibrations to the hull. (When a small sealed lead acid battery is used as the power source, additional weight is not needed.)

**Note; The Mini Thumper is water resistant, but not waterproof. Avoid immersion in water and limit exposure to excess splashing to prevent damage to the unit.**

**Calling in the fish and triggering the bite:** The Mini Thumper works in deep water, and in shallow water. In deep water, a louder and more intense thump is found to be most effective. In shallow water, use a softer, less intense thump to prevent frightening the fish. Experiment with different thump rates as you fish. Once you start getting bites, stay on the thump rate and thump volume settings. The Mini Thumper is most effective when fish are within the thump range (about 200 feet). If after 15 minutes you are not detecting any activity move to another location. Use the Mini Thumper with your fish finding electronics. Adjust the Mini Thumper to the desired settings, and watch for fish returns from the fish finder screen. Take note of the depths of the fish to adjust your bait depth accordingly slightly above where the fish are. After some experience with the Mini Thumper you will find the best way to make fish approach and stay near and even trigger a bite when there is a lull in the action.

For more information, including First Look, Quick Demonstration, and Mini Thumper in use videos visit the Mini Thumper website at <https://www.minithumper.com> and look for the link for the Mini Thumper in Action!

**Pro Tip:**

Want to add a whole new sound dimension to your thump? Place the hard rubber cutout under the Mini Thumper between the Mini Thumper and the deck of your boat. This causes the solenoid to directly tap on the hard rubber transferring even more energy to your hull. Experiment with the Mini Thumper position to get the best sounding thump.



## Remote Control Operation (Mini Thumper Pro Only)

**Remote Keyfob :** The Mini Thumper Pro comes with a 4 button remote keyfob. The keyfob buttons are labeled “A, B, C and D”. When you first turn on the Mini Thumper it comes up in manual mode. In this mode the Mini Thumper works with the two dials on the front as described earlier. Top dial for on/off, thump rate, and sleep function, and the bottom dial controls the thump volume. **As soon as ANY button of the keyfob is pressed, the Mini Thumper enters “Remote” mode. In this mode, the front panel dial settings are ignored, and the Mini Thumper responds ONLY to the remote control.**



**Simple Operation;** The “A” button when depressed will slow down the thump rate. The “B” button on the remote will speed up the thump rate. The “C” button on the remote reduces the thump volume, and button “D” increases the thump volume. **Please note that it may take a couple thump cycles for the Mini Thumpers to start to respond to keyfob controls as it only looks for new commands between thumps. Note ; When in remote mode the input from the front dials for thump speed, and thump volume are ignored.**

**Advanced Operation;** In addition to the simple single button commands available, the Mini Thumper also responds to multiple keys on the remote keyfob being depressed simultaneously.

A+B keys depressed together when the Mini Thumper is in remote mode will return the Mini Thumper to manual operation and it will now respond again to the front panel dials for thump rate (top dial) , and thump volume (bottom dial). **Note, when the return to manual command is accepted the Mini Thumper responds with 4 quick thumps in quick succession.**

C+D keys depressed together when the Mini Thumper is in remote mode provide a “Mute” function. In this mode, the Mini Thumper is set to lowest volume, and no audible thump will be heard. This allows for videos to be taken as a fish is on the line, or for anglers to enjoy fishing without listening to a constant thump. In order to return the Mini Thumper to start thumping again, merely depress the “D” key on the remote keyfob until the desired thump volume is achieved.

B+D keys depressed together cause the Mini Thumper to enter a “Prospecting” mode. When the unit accepts the command to enter this mode it will respond with 4 quick thumps in succession. In this mode, the Mini Thumper will run through 4 different thump rates and volumes at 5-minute intervals for a total of 20 minutes. It starts with a thump rate at 1.5 second intervals with a minimal thump volume. After 5 minutes passes, it enters its second prospecting mode by reducing the thump rate to 1.2 thumps per second and the volume a bit higher. After another 5 minutes the thump rate goes to 1 thump per second and again the volume increases. After 15 minutes the thumper enters its final prospecting mode with a thump every .8 seconds, and an even louder thump volume. This cycle will repeat after 20 minutes have elapsed. If during the 20 minutes it takes to run through all the prospecting modes, you want to exit, and return to remote mode, merely depress the “A” key by itself. **In prospecting mode, the “A” key has special meaning and exits prospecting mode when depressed. Keys B , C, and D, are ignored when in this mode. The Mini Thumper again responds with 4 quick thumps in succession signaling it is now back in remote mode.**

B+C keys depressed together cause the Mini Thumper to enter a “F-Series” mode. When the unit enters this mode it will seem to go silent for a time, and then run through a series of thumps in the following pattern 0, 1, 1, 2, 3, 5, 8, 13, 21 . This pattern will repeat until the “A” key on the remote is depressed. The F-Series is a pattern commonly found in nature.

In F-series mode the “A” key again has special meaning and exits F-series mode. Remote keys B, C and D are ignored when in F-series mode. When the A key is depressed, the unit responds with 4 quick thumps and re-enters remote mode.

A +C keys depressed together cause the Mini Thumper to enter “Predator” mode. In this mode, the thump cadence will start out slow and gradually increase cadence after 6 thumps. It will continue getting quicker, then will reach it’s most rapid cadence, and gradually slow down to its original rate. The thump rate is changed every 6 thumps, and the thump volume also decreases as the thumps quicken, and intensify as the thumps slow. This pattern is thought to mimic the sound of chaos when predators are feeding on bait fish. In Predator mode, the A key again has special meaning and exits Predator mode. Remote keys B, C and D are ignored when in Predator mode. When the A key is depressed, the unit responds with 4 quick thumps and re-enters remote mode.

The table 1-1 below summarizes the operation of the Mini Thumper Pro

Table 1-1

Initial Mode	Depressed Keyfob Button(s)	New Mode	Thumper Responds by	Exit this mode
Power On	Manual Mode (No keyfob keys depressed)	Manual Mode	acts as original Mini Thumper with front dials	press any single keyfob key
Manual Mode	A, B, C, or D	Remote Mode	+ or – thump rate or thump volume	press buttons A&B together
Remote Mode	A	Remote Mode	slowing the thump rate	release button “A”
Remote Mode	B	Remote Mode	quickening the thump rate	release button “B”
Remote Mode	C	Remote Mode	reducing the thump volume	release button “C”
Remote Mode	D	Remote Mode	increasing thump volume	release button “D”
Remote Mode	C & D	Mute Mode	Reduces thump volume to minimum	press button “D” until desired volume achieved
Remote Mode	A & B	Manual Mode	4 quick thumps	press any single keyfob key
Remote Mode	B & C	F-Series Mode	4 quick thumps then the thump pattern 0,1,1,2,3,5,8,13,21	press button “A”
Remote Mode	B & D	Prospecting Mode	4 quick thumps then 4 separate 5 minute patterns increasing cadence	press button “A”
Remote Mode	A & C	Predator Mode	4 quick thumps, then varying cadence slower – quicker-slower repeats	see above
F-Series Mode	A	Remote Mode	4 quick thumps	see above
Prospecting Mode	A	Remote Mode	4 quick thumps	see above
Predator Mode	A	Remote Mode	4 quick thumps	See above