

# M.I.N.E.™ TRAPPING SYSTEM



# OPERATIONS MANUAL VERSION 2

# **WARNING**

For your safety and the safety of others, this Operations Manual contains important instructions, warnings and safety procedures that must be understood BEFORE using the M.I.N.E.™ Trapping System. It is imperative that you read the ENTIRE MANUAL prior to using this equipment.



THIS DEVICE USES A WIRELESS TRANSMITTER AND RECEIVER TO REMOTELY TRIGGER A HEAVY DROP GATE. ENSURE GATE THRESHOLD IS CLEAR WHEN PUSHING TRANSMITTER BUTTONS, CONNECTING WIRES INSIDE EITHER CONTROL BOX AND REPLACING TRANSMITTER BATTERIES!



THIS DEVICE CAN CAUSE PERSONAL INJURY, DEATH AND DAMAGE TO PROPERTY!



KEEP CHILDREN AWAY FROM THIS DEVICE!

Prior to the M.I.N.E. leaving the factory, this device was tested, carefully inspected for quality control and packaged. JAGER PRO cannot control product handling after it leaves the factory. Please examine this product carefully prior to first use.

## **CAUTION**

**NEVER** transport the M.I.N.E.™ Gate with battery inside the control box or severe damage to electronics and battery will occur. Disconnect the battery from the gate control box when not in use as the receiver is constantly using power. The 12 volt, 2.9 amp/hr battery will only sustain operation for approximately ten (10) days without the solar charger. Four hours of afternoon sun daily will fully charge the battery. Keep the control box components clean and protected from moisture.

## **NOTICE**

JAGER PRO shall not be responsible for personal injury, death or damage to property resulting from use other than which the product was designed. JAGER PRO will not honor claims which result from careless or improper handling, unauthorized adjustment or parts replacement, corrosion, neglect and or improper use. JAGER PRO will not honor claims involving this product for any reason or cause when the second or subsequent owner makes such claims.

# CAPTURE SUCCESS MATRIX™

**STEP 1. CONDITION HOGS TO USE A FEEDER WITH  
TIMER AS A DAILY FOOD SOURCE.**

**STEP 2. CONDITION HOGS TO TRUST THE CORRAL  
ENCLOSURE AS A DAILY FOOD SOURCE.**

**STEP 3. UTILIZE THE OPTIMUM TRIGGER DEVICE BASED  
ON THEIR DAILY FEEDING PATTERN.**

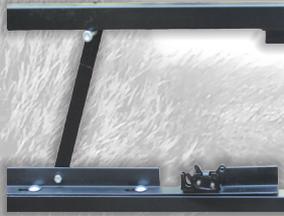
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# EQUIPMENT INVENTORY & IDENTIFICATION



Gate with Frame



Trigger Assembly



Control Box



Receiver



Self Tapping Screws



Connecting Rod  
& Clevis



Rod Adapter



Long Range  
Transmitter



12 volt Battery



12 volt Solar Charger



Antenna Tube

# INSTALLATION TOOLS AND SUPPLIES



Drill



20' Tape Measure



Hand Pick



T-Post Driver



Mini Bolt Cutter



3/8" Nut Driver



1/2" Socket and Wrench



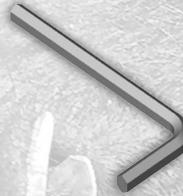
9/16" Wrench



Pliers



Screwdriver



3/32" Allen Wrench



Square



11 Gauge Steel Galvanized Wire



8" Zip Ties



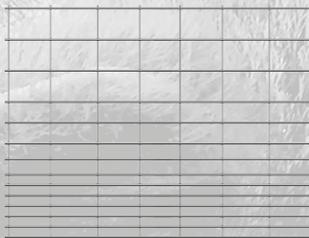
Shovel



T-Post Puller

# MATERIAL LIST OF EQUIPMENT NOT INCLUDED

Items available for purchase from JAGER PRO™ authorized distributors



18-60™ Panels (6 ea)



M.I.N.E.™ Camera



I.C.E.™ Camera



7' Long T-Posts  
(25 ea)



M.I.N.E.™ Post Clips



M.I.N.E.™ Clip Socket



Feeder & Digital Timer



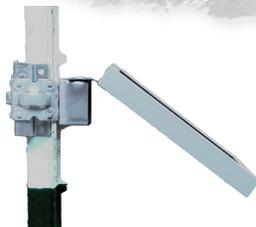
Booster Antenna Pole



Booster Antenna



T-Post Camera Mount



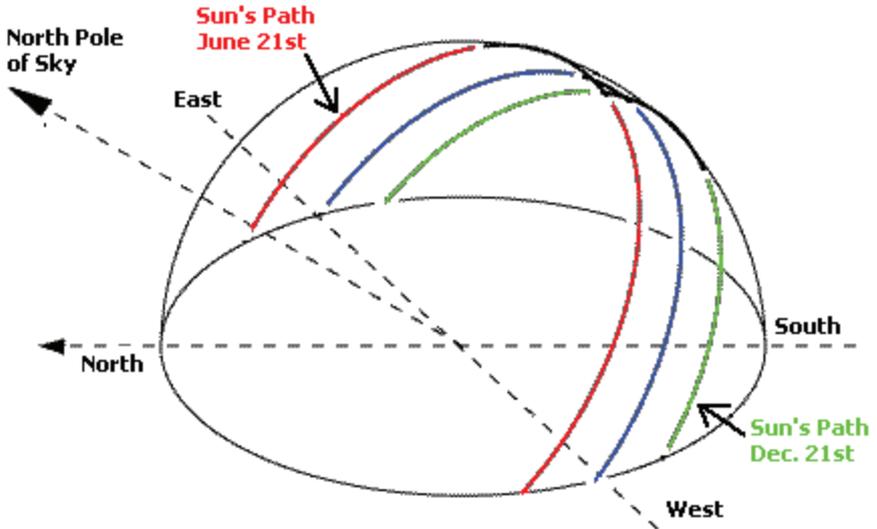
T-Post Charger Mount



Feeder Solar Charger

# POSITIONING SOLAR CHARGER

Solar panels on the feeder and control box should be set up in full direct sunshine at the middle of the day facing south in the United States. Morning and evening sunlight hits the panels at an acute angle reducing the total amount of solar power which can be generated each day.



## Spring

The sun starts to climb higher in the sky. Charging will be much better in mid afternoon and 25-40 degree solar charger angles are needed. Charging will be more difficult in early morning and late evening.

## Summer

The sun is approaching the most direct angle to the Earth (Summer Solstice, June 21st) . Batteries will charge fastest with 45-60 degree charger angles.

## Fall

The sun begins its descent in the sky. Charging will be much better in mid afternoon and 25-40 degree solar charger angles are needed. Charging will be more difficult in early morning and late evening with acute angles.

## Winter

The sun is at the lowest angle to the Earth. Only a 15-25 degree solar charger angle is needed in the afternoon. Very little charging is available mornings and evenings.

## ADJUSTING TRIGGER ASSEMBLY

Loosen the trigger assembly nuts with a 9/16" wrench.



Adjust the trigger assembly left or right until the trigger square stock is sitting on the outside edge of the trip arm. Then tighten the trigger assembly nuts with a 9/16" wrench. The trigger is set at the factory and should not require adjustment.

Lightly tighten the bolt and nut on the trip arm using a 1/2" wrench and socket so the trip arm stays in the "up" position without falling, but can still easily move.



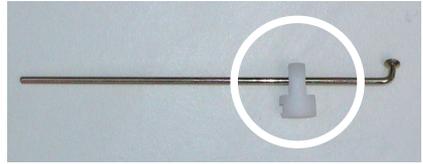
Work the trip arm up and down onto the latch to ensure there is no binding.

 It is important the trip arm stays in the "up" position without falling. This step allows the use of both hands to raise the gate.



# INSTALLING CONNECTING ROD & CLEVIS

Push the 1/8" connecting rod through the plastic clevis.



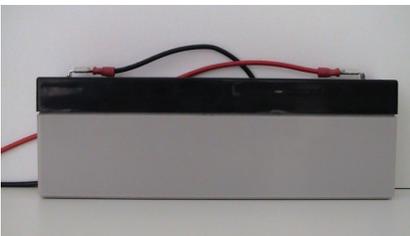
Slide the connecting rod through the actuator hole inside the control box.



Align the slots and gently snap the clevis onto the actuator arm.



Rotate the connecting rod and clevis to this position. Work the rod back & forth to ensure there is no binding.



 **NEVER** transport the M.I.N.E.™ Gate with battery inside the control box or severe damage to electronics and battery will occur. Remove battery during transport and always disconnect when not in use.

## INSTALLING CONTROL BOX

Place the control box onto the frame in this position.



Be careful not to pinch the solar panel polarized plug against the frame.

Secure the rod adapter with pliers. Turn the set screw with a 3/32 Allen wrench to break the Loctite seal at threads.



Place the rod adapter through the latch arm. Guide the connecting rod through the rod adapter while sliding the control box into place.

Ensure the control box is tight against the trigger assembly. Using a 3/8" nut driver and drill, secure the control box to the frame with four #14 self tapping, 3/4" long screws.

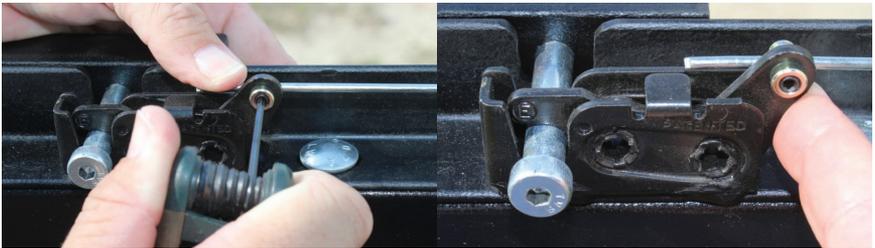


## ATTACHING CONNECTING ROD TO LATCH

Notice the actuator arm has more than one inch of travel. The actuator arm and connecting rod is shown below fully “IN” and fully “OUT”.



Do not secure the rod to the latch with the connecting arm all the way out or it will hit the bracket on the latch assembly when triggered. The illustrations below show the proper setting on the right side of the bracket. Using a 3/32 Allen wrench, turn the set screw inside the rod adapter to secure the connecting rod to the



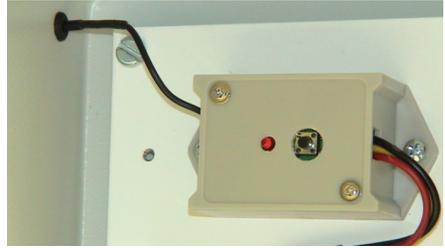
## SITE SELECTION & PRE-BAITING

Watch our video titled, “M.I.N.E.™ TRAP TRAINING (1)- SITE SELECTION & PRE-BAITING” for detailed information. Erect feeder and secure each leg with a T-post and 11 gauge galvanized steel wire. Ensure solar panel is facing south. Following the steps of our “Capture Success Matrix”, build an enclosure only after the hogs trust the area as a food source for multiple days in succession.



## MOUNTING ANTENNA TO CONTROL BOX

Carefully feed the antenna through the rubber grommet without damaging the receiver inside the control box.



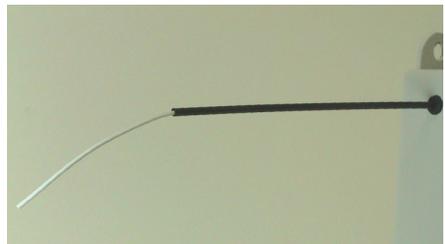
Feed the antenna wire through the 1/8" diameter antenna tube until it clears the opposite end.



Slide the antenna tube into the rubber grommet until it becomes visible inside the control box. This waterproof seal will help keep electrical components clean and dry during field use.

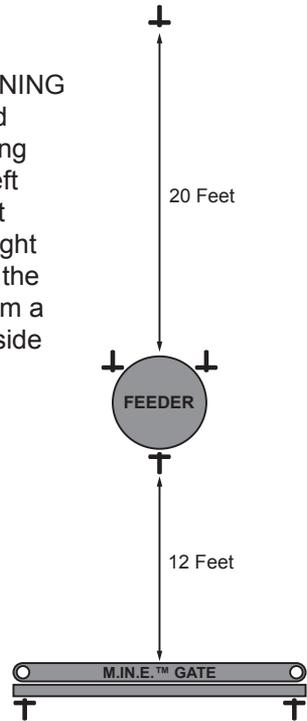


The antenna wire in this position rests between two horizontal gate frames and will receive a wireless signal from 250 meters (or 275 yards) when using the long range transmitter.



## BUILDING THE ENCLOSURE

Watch our video titled, "M.I.N.E.™ TRAP TRAINING (2)- BUILDING THE ENCLOSURE" for detailed information. Drive a 7 foot long T-post measuring 12 feet from the feeder. This will become the left support post for the 8 foot wide MINE gate. Put the gate in position to measure and drive the right support post. Measure 20 feet from the rear of the feeder and drive another 7 foot long post to form a 35 foot triangle. This triangle will begin the outside dimension of the trap enclosure.



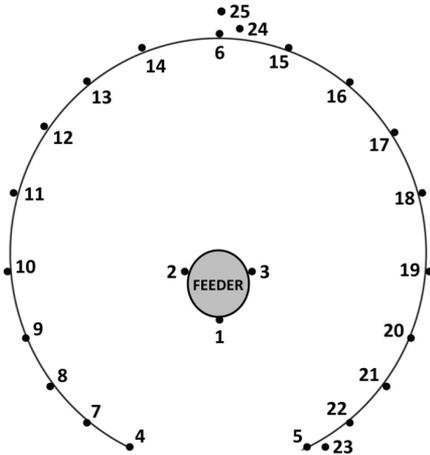
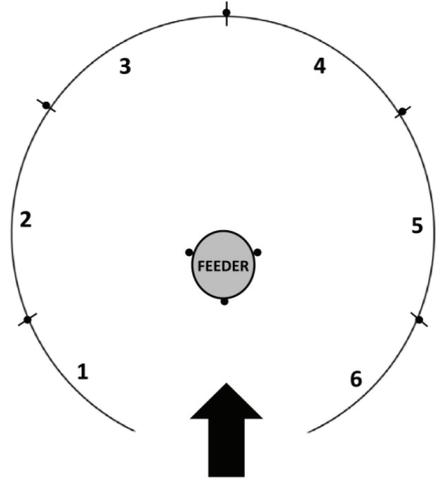
## INSTALLING M.I.N.E.™ POST CLIPS

Secure 18-60™ Panels to posts in seconds using a drill and M.I.N.E.™ Post Clips. Standing inside the trap enclosure, install a post clip (11 gauge) around the post and panel. Insert a M.I.N.E.™ Clip Socket onto the post clip. Press against the panel while drilling clockwise at full speed.



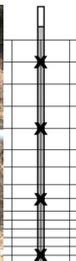
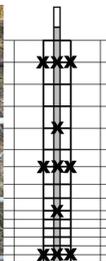
# INSTALLING 18-60™ PANELS & POSTS

Erect six each 18-60™ panels in a circular shape around the feeder. The opening for the eight foot wide MINE™ gate should face the natural direction hogs travel to the bait site. Each panel is 16 feet long with an eight inch overlap. Posts should be driven in the center of each overlap.



The left diagram illustrates the proper order to drive posts. Place the solar charger on #23, camera on #24 and booster antenna pole on #25 outside the enclosure so these devices are not damaged when hogs are captured. Posts should be driven every four feet for maximum strength.

Ensure all T-post lugs face inward to secure the panels from lifting up. Posts should be driven in the center of each eight inch panel overlap and driven in line of a vertical support on single panels. Each post should secure the panel with at least four M.I.N.E.™ Post Clips. The diagrams below show the proper anchor points needed for maximum strength.



## INSTALLING M.I.N.E.™ GATE

Trap shy adult hogs will not step over a threshold. Dig a two-inch trench with a hand pick to conceal the bottom gate frame. Use a level to ensure the drop gate remains square for smooth operation. Cover the threshold with dirt and camouflage to blend with surrounding area.



The panel joint at the gate support post is the weakest link if not secured properly. Ensure the panel's vertical 1/4" steel rods are on the outside of the enclosure (against the post) and the horizontal steel rods are on the inside. Use the post lugs to lock the vertical steel rod between the post and gate support.



Pull these twists as tight as possible and reinforce the joint with six anchor points of double stranded 11 gauge galvanized steel wire or a single strand of 9 gauge galvanized steel wire.



# INSTALLING T-POST CAMERA MOUNT

Align the threads of the T-post mounting bracket to the camera mounting port. Thread bracket no more than three complete rotations or it may damage the camera housing. Tighten securely using the adjusting nut.



Mount the M.I.N.E.™ Cam to post #24 outside the enclosure according to the page 14 diagram. Lower the square collar at a diagonal over the post spine and studs.

Lower the collar into position between any two studs. Insert the mounting wedge between the post spine and square collar.



Tighten the mounting wedge thumb screw against the post spine to secure the camera mount.

Align the camera by loosening the ball head set screw and centering the view on the ground beneath the feeder legs. Tighten the ball head set screw to secure the camera.



## MOUNTING SOLAR CHARGER

Mount the solar charger to post #23 outside the trap enclosure according to the page 14 diagram. Ensure the solar charger is facing the southern exposure at the correct angle according to the seasonal diagram on page 7.



Connect the solar charger to the control box with the polarized plug and secure the excess wiring to the gate frame with zip ties.



## MOUNTING BOOSTER ANTENNA



Mount the booster antenna pole to post #25 outside the trap enclosure according to the diagram on page 14. The pole is 8 feet tall and telescopes to 16 feet.



Secure the booster antenna cable to the antenna pole with zip ties to reduce wind noise. Secure the booster antenna cable to the post with zip ties below the camera antenna port to prevent rainwater from pooling on top of the waterproof boot.

## TIMING TRANSMITTER TO RECEIVER

The long range transmitter frequencies are timed to the receiver during assembly and quality control. Users may time transmitters to multiple receivers to close more than one gate on a trap enclosure. Timing the M.I.N.E.™ camera to the control box is covered in the M.I.N.E.™ camera's Operations Manual.

### Timing Steps:

1. Press and hold the receiver button until the red light stays on.
2. Press and hold either transmitter button for **1 second** until the receiver light flashes three times and shuts off.
3. Release the transmitter button.

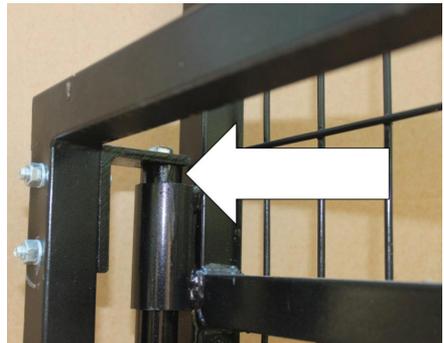


## TESTING GATE OPERATION

Ensure the trip arm is in the fully upright position. Raise the gate with both hands. Hold the gate in the fully raised position with the left hand and lower the trip arm's striker into the latch with the right hand. Ensure the latch is fully closed by pressing the latch arm upward.

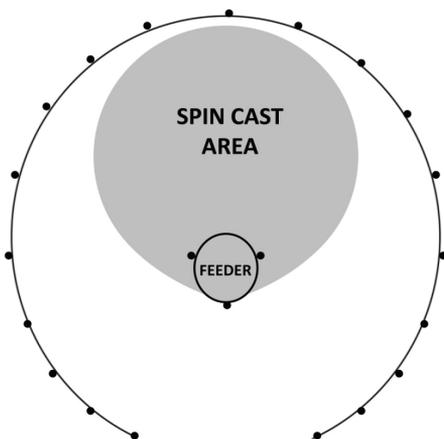


Level the gate by checking the distance at this location on both sides. Slightly adjust if needed to square the gate to frame. Stand clear and press the push button transmitter. The gate should fall immediately with no hesitation or binding.



# FEEDER MODIFICATIONS

The trap enclosure is built with the gate opening 12 feet from the feeder. This will leave approximately 20 feet of spin cast area without throwing bait outside the enclosure. Below are examples using a sack and a board as feeder modifications to prevent bait broadcast in front of the gate opening. This step keeps bait at least 10 feet away from the entrance, teaching hogs to trust the entire enclosure and ensures they are too far away from the gate to escape when the gate is triggered. It also produces a distinct sound which hogs will learn to associate with daily feeding.



## REPLACING LONG RANGE TRANSMITTER BATTERY

The long range transmitter will send a wireless signal 250 meters (or 275 yards) to the control box receiver. This device uses a 12 volt alkaline A23 battery.



Turn the transmitter over and slide the housing cover down to expose the battery compartment.



Replace the A23 battery with the positive terminal facing right and the negative terminal facing left towards the spring.



Return the housing cover to secure the battery compartment. The red light should emit when the button is pushed for **1 second**. Test the control box receiver and M.I.N.E.™ Gate trigger assembly for operation after replacing battery.



# WARRANTY

**Limited Warranty:** JAGER PRO, LLC warrants the Product to be free from malfunctions and defects in both materials and workmanship for one (1) year from the date of purchase (“Warranty Period”). JAGER PRO, LLC will repair or replace, at its option, the Product if it fails to function properly during the Warranty Period, subject to the conditions and/or limitations stated herein. Such repair or replacement is your sole remedy under this Limited Warranty.

**Limitations:** Limited Warranty service will not be provided unless the Product, returned in the manner set forth below, is accompanied by a copy of your original dated sales invoice. JAGER PRO, LLC reserves the right to require you to provide your original dated sales invoice. Products purchased from non-authorized dealers may not qualify for warranty coverage.

This Limited Warranty does not cover the following:

- a. any defect in or damage to the Product that occurs due to mishandling of the Product;
- b. any defect in or damage to the Product that occurs due to repair, modification, or other similar activity after your purchase of the Product;
- c. any defect in or damage to the Product that occurs due to the transport, dropping, shock, or other similar activity after your purchase of the Product;
- d. any defect in or damage to the Product that occurs due to careless or improper storage, or improper use or maintenance of the Product;
- e. any defect in or damage to the Product that occurs due to foreign objects such as dirt or grime, sand, water or liquids entering the inside of the Product; and
- f. any defect to the Product related to your failure to follow proper operating instructions provided by JAGER PRO, LLC, claims made after the Warranty Period, or your failure to follow the instructions set forth below with respect to return of the Product to JAGER PRO, LLC.

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