JAGER PRO™
HOG CONTROL SYSTEMS

M.I.N.E.® CAMERA
I.C.E.® CAMERA

4G OPERATIONS MANUAL
For Use with both Verizon and AT&T Model Cameras

Version 4.03

TABLE OF CONTENTS

Thank you for choosing the JAGER PRO® M.I.N.E.® or I.C.E.® Camera. This manual will help you get the most out of your new device. You will also find this manual, other technical articles and more information about your camera and service at: https://jagerpro.com/

If you experience any difficulties operating this product, please do not return it to your local dealer. Call Technical Support at 706-718-9789 9 AM – 5 PM EST, Monday – Friday or email us at cameradepartment@jagerpro.com.

CAMERA CHARACTERISTICS

This manual is intended to visually guide users through the individual steps to properly program, operate and maintain the 4G, Verizon and/or AT&T versions of our JAGER PRO® M.I.N.E.® and I.C.E.® Cameras.

Front View

1. Antenna: (Standard antenna shown) Receives cell tower signals. Our 5 decibel booster antenna is available as an accessory for operating in low signal areas.

1a. Antenna Seal: Prevents water from getting into the camera through the antenna port.

2. IR LED Illuminator: 44, 950nM infrared (Blackout) LEDs that illuminate the target area when camera functions at night.

3. Ambient Light Sensor and Test Indicator: Detects surrounding light to automatically control day and night camera functions. This sensor emits a green, blinking LED when the selector switch is moved to SETUP. The LED will stop blinking within 30 seconds after the selector switch is moved from SETUP to ON indicating the camera is operational and active.

4. Camera Lens: The camera lens has a 52 degree field of view with no magnification. This enables users to observe a 20 foot field of view measured 15 feet from the lens and a 32 foot field of view when measured 21 feet from the lens.

5. Microphone: Picks up ambient sounds around the camera.

6. PIR Sensor: Passive Infrared motion detector. Senses the presence of a moving object which triggers the camera to take a photo or record a video.

7. Locking Latch: Secures the camera back battery housing to the main body housing so the rubber seal seated in the groove in the main body housing meets the front cover creating a waterproof seal.

Bottom Outside View (-4P model)

1. Mounting Port: ¼" internal diameter (by 20) coarse threads for securing camera to a T-Post mount. Only thread JAGER PRO® cameras two (2) complete rotations into the camera mounting port then tighten using the mount's adjusting nut. *Warning:* Forcing camera threads to the bottom will damage mounting port and camera housing.

2. 6V DC Port Plug: Waterproof seal to protect internal components when external battery (optional equipment) is not in use.

Bottom Outside View (Older 4G models)

1. USB Port Plug: Waterproof seal to protect internal components when USB cable is not in use.

2. Mounting Port: ¼" internal diameter (by 20) coarse threads for securing camera to a T-Post mount. Only thread JAGER PRO® cameras two (2) complete rotations into the camera mounting port then tighten using the mount's adjusting nut. *Warning:* Forcing camera threads to the bottom will damage mounting port and camera housing.

3. DC Port Plug: Waterproof seal to protect internal components when external battery (optional equipment) is not in use.

Inside View (-4P model)

1. Antenna Port: Attachment point to install various antennas depending on local cellular strength. Our 5 decibel booster antenna is available as an accessory for operating in low signal areas.

2. Camera Information: This sticker provides the camera model, serial number and possibly the IMEI number.

3. LCD Display: Screen to observe menus, photos and settings.

4. IMEI Number (if not in section 2): This is the 15 digit IMEI number for your camera. If not present here, look at #2 for IMEI number.

5. Selector Switch: Used to enter into any of the three operating modes: OFF, SETUP and ON.

6. Menu Button: From the Live Preview Screen, press MENU to enter the Setup menus
   In Setup menus: If in a submenu, press menu to return to the main menu. If in a main menu, press menu to exit Setup menus.

7. Playback Button: Allows user to view pictures on SD card. Display the Delete menu so you can choose to Del One or Del ALL. Press Playback again to return to the Live Preview Screen.

8. Del Button: Deletes unwanted pictures, numbers, and letters.

9. Left Arrow Button: Moves from the highlighted area to a selection left.

10. Up Arrow Button: Moves from the highlighted area to a selection above.

11. Right Arrow Button: Moves from the highlighted area to a selection right.

12. Down Arrow Button: Moves from the highlighted area to a selection below.

13. OK Button: Confirms the highlighted item.

14. USB Port: Standard USB 1.0 cable connection interface to transfer information between the SD card and a computer.

15. Battery Polarity Symbols: Located on the front of the battery block. Visual aids for proper battery polarity installation. Use 12 (recommended), 8, or 4 1.2 – 1.5v AA batteries. Use of 4 batteries can be placed in any of the 3 battery bays. NEVER MIX BATTERY TYPES! We recommend Energizer brand AA Ultimate Lithium batteries for your camera. ***Warning: Use of Alkaline batteries can result in leaking acid and your warranty will be voided if you do so.***

Inside View (Older 4G models)

1. Antenna Port: Attachment point to install various antennas depending on local cellular strength. Our 5 decibel booster antenna is available as an accessory for operating in low signal areas.
2. Camera Information: This sticker provides the camera model and serial number.
3. LCD Display: Screen to observe menus, photos and settings.
4. IMEI Number: This is the 15 digit IMEI number for your camera.
5. Selector Switch: Used to enter into any of the three operating modes: OFF, SETUP and ON.
6. Menu Button: From the Live Preview Screen, press MENU to enter the Setup menus
   In Setup menus: If in a submenu, press menu to return to the main menu. If in a main menu, press menu to exit Setup menus.
7. Playback Button: Allows user to view pictures on SD card. Display the Delete menu so you can choose to Del One or Del ALL. Press Playback again to return to the Live Preview Screen.
8. Del Button: Deletes unwanted pictures, numbers, and letters.
9. Left Arrow Button: Moves from the highlighted area to a selection left.
10. Up Arrow Button: Moves from the highlighted area to a selection above.
11. Right Arrow Button: Moves from the highlighted area to a selection right.
12. Down Arrow Button: Moves from the highlighted area to a selection below.
13. OK Button: Confirms the highlighted item.
14. DC Port: 6 volt connection for optional external battery pack.
15. USB Port: Standard USB 1.0 cable connection interface to transfer information between the SD card and a computer.
16. Battery Polarity Symbols: Located on the front of the battery block. Visual aids for proper battery polarity installation. Use 12 (recommended), 8, or 4 1.2 – 1.5v AA batteries. Use of 4 batteries can be placed in any of the 3 battery bays. NEVER MIX BATTERY TYPES! We recommend Energizer brand AA Ultimate Lithium batteries for your camera. ***Warning: Use of Alkaline batteries can result in leaking acid and your warranty will be voided if you do so.***

Left Side View

1. SIM Card Port: Slot for receiving a cellular SIM card from Verizon's or AT&T's network provider.

2. SD Card Port: Slot for receiving an SDHC card. The camera has limited internal memory. A class 10 SDHC card (32GB or smaller) must be used to store photos, video and debug data.

Warning: Inserting the SIM card upside down or backwards could damage the camera or the SIM card. **Damage resulting from inserting the card incorrectly is not covered under warranty.**

Warning: Inserting the SDHC card upside down or backwards could damage the camera or the SDHC card. **Damage resulting from inserting the card incorrectly is not covered under warranty.**

QUICK START PROGRAMMING

Begin programming the M.I.N.E.® or I.C.E.® camera for operation by removing the protective cap and installing the standard antenna onto the antenna jack. Ensure the black rubber O-ring is not removed from the antenna jack threads. Twist the antenna base snug but do not over tighten.
Warning: When installing the antenna, remove the red or yellow protective cap and replace the black waterproof seal if it comes off. **Damage resulting from not having the rubber O-ring seal present is not covered under warranty.**

Unlock the latch to access the main body. Follow the battery polarity symbols located on the front of the battery block to properly install the batteries. We recommend Energizer brand AA Ultimate Lithium batteries for the best performance in the field. Rechargeable AA batteries will not operate high-tech equipment nearly as long. We recommend the JAGER PRO® 6 volt external power supply for extended camera use in the field which is specified for JAGER PRO® products. AA Lithium batteries are still required for initial start-up until the camera housing is closed and the 6 volt external power supply cable is inserted into the camera battery port.
Warning! Do not mix battery types! Damage to the camera can result and your warranty will be voided if you mix battery types or the batteries leak acid inside the housing.
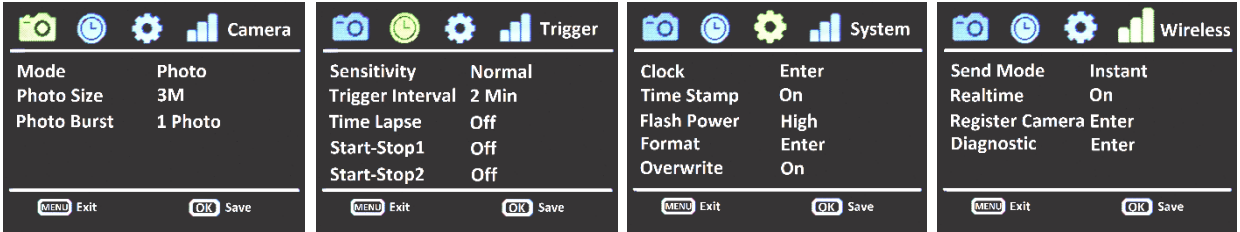
A formatted class 10 SDHC card must be used for the camera to function. You can input information without an SDHC card present in your camera but will need the card to store any pictures taken.

The camera supports up to a 32 GB SDHC card. Ensure the SDHC card is not locked and insert it into the SD card port. Move the selector switch from OFF to SETUP. The screen will display "Searching Network" at the bottom center of the screen. It usually takes 20 to 30 seconds for the camera to find the network. Verizon or AT&T will appear in the top center of the screen after connecting to the network and the signal strength symbol will appear in the top right.

MAIN MENU TABS

Press the MENU button to access the Setup menus. **If no buttons are pressed the camera will shut down after 3 minutes of sitting idle to conserve battery power. Users must then move the selector switch to OFF then back to SETUP to restart the camera and access the MENU again.

There are four main menus; CAMERA, TRIGGER, SYSTEM and WIRELESS.

📷 🕐 ⚙ 📶 Camera	📷 🕐 ⚙ 📶 Trigger	📷 🕐 ⚙ 📶 System	📷 🕐 ⚙ 📶 Wireless
Mode Photo Photo Size 3M Photo Burst 1 Photo	Sensitivity Normal Trigger Interval 2 Min Time Lapse Off Start-Stop1 Off Start-Stop2 Off	Clock Enter Time Stamp On Flash Power High Format Enter Overwrite On	Send Mode Instant Realtime On Register Camera Enter Diagnostic Enter
MENU Exit OK Save	MENU Exit OK Save	MENU Exit OK Save	MENU Exit OK Save

Press the left or right arrow buttons to change menus. Press the up or down arrow buttons to cycle through the submenu settings of the highlighted green tab. Press left or right to edit and view choices for selected items with green highlights.

Press OK to confirm and save any settings changes. Press up or down to view the next setting or press MENU and return to the top MENU then move left or right to select another MENU.

Camera Menu: 📷 🕐 ⚙ 📶 Camera

Setting Items		Description
CAMERA Photo Options	Mode (Photo)	Photo (We recommend Photo to transmit texted information to your phone). These cameras do not send live video but will save to the SDHC card!)
	Photo Size	3MP, 5MP, or 8MP. This is the size it is saved on the SD card.
	Photo Burst	Set the number of images taken for each trigger (1-3)(Recommend 1 Photo). The camera may only transmit the last photo when burst is 2 or 3.

The video option will only allow the camera to take and save video to the SD card, it will not send live video out.

Setting Items		Description
CAMERA Video Options	Mode (Video)	Video. (We recommend Photo to transmit texted information to your phone.) These cameras do not send live video but will save to the SDHC card!)
	Video Resolution	720p, WVGA, QVGA, 1080p
	Video Length	Choose how long the video will be in length (up to 30 seconds).
	Sound	Choose between On or Off. Turning this On will record audio.

Trigger Menu: 🔲 🕐 ⚙ 📶 Trigger

Setting Items	Description
TRIGGER	
Sensitivity	Off (time lapse only, not triggered) Low (temps below 10 F) Normal (10 F – 80 F) High (temps above 80 F)
Trigger Interval	The timeout period between PIR triggers for each photo or video capture. We recommend a two (2) minute trigger interval. A one (1) minute or less selection may not allow a photo to transmit via data in low signal areas before the next PIR trigger. The photo is always saved on the SD card but may not have time to send via data to your phone or email.
Time Lapse	OFF: Camera triggers only during PIR event. (Recommended) ON: Camera automatically triggers at selected intervals.
Start-Stop 1	OFF: Camera triggers 24 hours per day. ON: Camera only triggers between the START and STOP times programmed. Could be used to avoid high traffic from non-target species during specified times. *Example:* *The start time is 18:00 or 6pm* *The stop time is 07:00 or 7am* *Set to the recommended 2 minute* *Trigger interval* *Time Lapse is off*

Start-Stop1
StartHM 18 : 00
StopHM 07 : 00
TriggerInterval 2Min
TimeLapse Off
MENU Exit   OK Save

Setting Items	Description
Start-Stop 2	OFF: Camera triggers 24 hours per day. ON: Camera only triggers between the START and STOP times programmed. Ensure the Start-Stop times do not overlap the START and STOP times from Start-Stop 1.

System Menu: 🔲 🕐 ⚙ 📶 System

Setting Items	Description
SYSTEM Page 1	
Clock	Enter correct Date and Time. Add in UTC for proper updates
Time Stamp	Choose ON or OFF to select the date and time stamp on the picture.
Flash Power	Choose between Low or High. We recommend High to extend infrared illumination beyond trap.
Format	Formats the SD card and deletes all photos/videos.
Overwrite	OFF: Retains saved photos and videos on SD card when full. ON: (Recommended) Camera deletes the oldest photos/videos from SD card when full and continues to save newer photos/videos.

Setting Items	Description	
SYSTEM Page 2	Default	Restores camera back to factory settings.
	Information	Displays model, DSP, MCU and the Module ID (MEID/IMEI) number. Check our website for the latest firmware version and uploading instructions. Model (VZW or ATT)-(MINE or ICE)-4(P) DSP RL180808 MCU 2018/09/19 (or latest version) IMEI (will match the number on the sticker)
	Password	The default password is 000000. Choose OFF to stop this function and ON to set a six digit password. If you lose the password, you must send it in to JAGER PRO® to reset it.
	Beep	The default is ON. Choose OFF to silence key pad when making selections.
	FW Update	Used only when updating the Firmware from the SD card.

Setting Items	Description	
SYSTEM Page 3	LED Indicator	The default is ON. Choose OFF to turn off the Green LED indicator on the front of the camera.
	Debug Switch	Only used when instructed by support personnel.

Wireless Menu: Wireless

Setting Items	Description	
WIRELESS	Send Mode	Instant: (Recommended) The camera sends a photo immediately when it takes a photo. Pressing the OK button while Instant is highlighted will bring up the Max Num field. The Max Num field indicates the maximum number of photos or texts allowed to be sent within 24 hours. 0 is infinite (Recommended), 1-999 during a 24 hour period. The camera resets to zero each night at 0000 hours. Off: Cellular function is de-activated. Photos will not be sent to a recipient but will be saved to the SD card.
	Realtime	The Realtime function must be ON for the camera to receive commands from the selected recipients.
	Register Camera	Pressing OK will start the registration process. You will receive a confirmation with your IMEI number and registration code. More information can be found in our Activating Service section, page 9.
	Diagnostic	Hello Test: This will verify that your camera is activated, has a signal and can reach the internet and the Server. APN Setting: Only used when instructed by support personnel. Module Command Update: Only used when instructed by support Module FW Version: States the current module firmware version Module FW Update: Only used when instructed by support

ACTIVATING SERVICE

Visit our website at https://jagerpro.com/ to create an account. You can also visit https://jagerpro.com/my-account/activate-data-plan/ to Activate Data Plan for your camera.
Select your camera model, input the camera information and Add Subscription to Cart. Purchase a Plan with your personal information.

Please watch the 10 step instructional video https://jagerpro.com/solutions/hog-cameras/4g-camera-manual-videos/
Add Camera to your account on https://my.jagerpro.com/home. (We will refer this website as "Portal")

1. Using a web browser on your computer or phone, go to https://my.jagerpro.com/home.
2. Sign in to your account. If you don't already have an account, register for one, then sign in.
3. To add your camera:
   a. From the main menu, select *MY CAMERAS > MANAGEMENT*.
   b. Click the *Add New Camera* button.
   c. Move the camera switch to SETUP and when you have a signal, press the **Menu** button then select the *Wireless* menu.
   d. Verify that *Send Mode* is *Instant* and that *Realtime* is *On*. Press **OK** after making any changes.
   e. Highlight and select *Diagnostics*, press **OK**, Highlight and select *Hello Test*, press **OK**. If the hello test is successful, press the Menu button once and continue to the next step. If the hello test is not successful, repeat this step.
   f. Select *Register Camera,* press **OK**, and wait several seconds. If registration is successful, the camera screen will show your Module ID and the registration code. If registration is not successful, repeat this step.
   g. On the portal *Add New Camera* page, type a description for the camera that will help you to identify it. This is especially important if you have more than one.
   h. Input both the Module ID and the Registration Code. (the Registration Code will expire after 3 hours)
   i. Check the box to agree to the terms of use and privacy policy.
   j. Click the "*Add this Camera"* button.
4. If you input the values correctly, you will return to the *CAMERA MANAGEMENT* page on the portal.
5. Find the newly added camera then click on the red "Manage Camera" button beside the camera.
6. Click "Change Settings" and scroll through them to change to the following settings: a.Camera Time Zone=(Your time zone), b.Real Time Control=Yes, c.Phone Number=(add the CAMERA's phone number). Click on "Schedule a Settings Update" at the top of the page when complete.
7. Go back to the camera and press menu until you exit to the live preview screen.
8. Send a Test Picture: in *Live Preview* mode, press **OK** to take a picture then **OK** again to send it. Watch the screen to be sure the sending process completes. The camera should show "Setting", then "Sending", then "Sent".
   a. After the Test Picture has been sent, move the selector switch to ON, the screen will go blank.
9. From the portal, click on the red "Manage Camera" button and select Request Status. After the screen refreshes, you will have a picture with an "E" coded photo (see *"Information Strip"* for more information).
10. Wave your hand in front of the camera or, move the camera around, wait 30 seconds.
11. Refresh your screen or click on *CAMERAS > MANAGEMENT*.
   a. Make sure you have a new photo, it will have an "M" code and that the Status Report is updated. Click on *Camera Settings*.
12. Click on the red "Manage Camera" button and select Take a Photo. Wait 30 seconds before refreshing your screen and make sure you receive another photo, it will have an "S" code.
14. If you can see the picture on the *MY CAMERAS > CAMERA MANAGEMENT* or *MANAGE PHOTOS* page, service is working. Customize the setup for your particular needs by updating camera settings, adding email contacts, etc.
13. See *"Mobile App Set Up"* to complete the mobile app process.

MOBILE APP SETUP

Please watch the mobile app instructional video: https://youtu.be/IwbOWmAzHQg

From your phone or mobile device, for Android devices, visit the Google Play store, for iPhone devices, visit the Apple App store. Search for "jagerpro camera mgmt.".
Download and install the JAGER PRO® app.
Once downloaded, you must log in using your my.jagerpro.com email address and password.
Once logged in, it will take you to the home page.
If your phone is connected to WiFi, your pictures should appear. Click on download photos if they did not automatically download.
Check the following settings and change if appropriate:

On the second button from the bottom left, tap on *Settings*

Ensure "Download Only When WiFi is Available" is set to OFF (default). If the WiFi setting is OFF, photos will download whether you are on WiFi or not, but be aware that downloads will use your device's data allowance if WiFi is not available. Thumbnails are typically small, but if you download a lot of them and/or a lot of hi-res photos, this may be a consideration for you.

Set "Photos – Auto Purge Days" to your desired value. This purges photos only from your device, not from the portal or camera.

Automatically Download, "Set Per Camera" can be ON or OFF, if it is OFF (default), then "Automatically Download" should be ON (default). If it is on, then you can choose between cameras if Automatically Download is on or off.

When Selecting a Single Photo, "Confirm Delete" can be ON (default) or OFF. "Confirm Hi-Res Request" can be ON (default) or OFF. "Confirm Video Request" should be OFF (default).

Notification, "New Photo Available" should be ON (default). "Camera Status Report" can be ON (default) or OFF. Having this option turned on will download a status report with each photo.

Notification Ringtones has several options to choose from, choose the option that best suites your needs.

MANUALLY SENDING PHOTO (Test Photo)

Our camera is designed to test program settings and service by manually sending a photo. Move the selector switch from OFF to SETUP. Allow the camera 30 seconds to search the wireless network. Verizon or AT&T will appear in the top center of the LCD screen after connecting and have several bars in the top right corner.
Pressing the OK button will immediately capture a photo, pressing the OK button again will upload the image to the network by following the camera program settings.
NOTE: You must have an SD card inserted in the camera to complete a manual photo.
The automatic commands displayed in the bottom center of the LCD screen are first "Setting", then "Sending" followed by "Sent". You should receive an alert notification on your app and a new photo available.

COMMAND CODES

The REALTIME Control must be ON for the camera to receive text commands and was previously covered under the WIRELESS menu. The M.I.N.E.® and I.C.E.® camera is able to receive text commands from your phone.
NOTE: Do not send commands back to the received photo or group, you must manually input the camera as a *mobile* contact in your phone and send commands as a text message using one of the following codes:
The code to check status is: *501#
The code to Take a Photo is: *500#
The code to Close Gate is: *777#   (this code will only work with a M.I.N.E.® camera.)

INFORMATION STRIP

Below is the information provided by the camera with each photo.

From left to right- JAGER PRO® is the camera manufacturer. The "M" indicates the photo was triggered by "Motion". The letter "S" would indicate a photo triggered by SMS code *500# or Request Photo from the portal or mobile app. "T" would indicate a photo triggered by "Time Lapse" and "E" would indicate a manually triggered photo using the camera's OK select button during SETUP or scheduled event set up through the portal or mobile app.

The date is 07 April 2017. The time is 20:42:46 or 8:42:46 pm. It is a waxing gibbous just before the full moon. Moon Phases displayed include: (new moon), (waxing crescent), (first quarter), (waxing gibbous), (full moon), (waning gibbous), (last quarter), and (waning crescent). The temperature is 46 degrees Fahrenheit. The battery symbol is "P5" which indicates the batteries are fully charged. If it is below P5 (P4-P0) then it is time to replace the batteries.

REGISTRATION

The final step is to register your new equipment on the JAGER PRO® website via the camera Module ID or Serial Number so we may provide appropriate firmware updates. These updates are necessary to ensure your equipment operates efficiently as network wireless technology changes. Multiple cameras and control boxes may be registered on a single submission.

FIRMWARE UPDATES

You should periodically check the JAGER PRO® or my.jagerpro.com web site for firmware updates for your camera. We periodically release firmware updates with new features and/or performance enhancements. Updating firmware on the M.I.N.E.® or I.C.E.® Series cameras takes a few seconds, and is well worth the effort to ensure your camera is performing at the highest level possible.
Update the camera firmware if your camera's firmware is not the latest version:
    a. On the portal, select *FIRMWARE*.
    b. Compare the date of the firmware version listed for your camera to the date of the latest version.
    c. If the latest version is more recent than the one on your camera, follow the instructions on the portal to download and install the FW onto your camera.
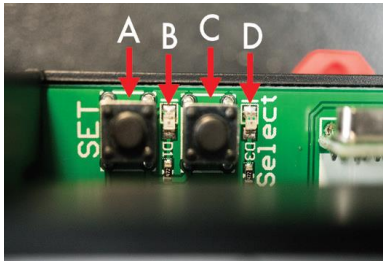
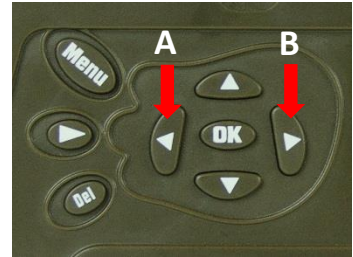# PAIRING M.I.N.E.® CAMERA TRANSMITTER TO CONTROL BOX RECEIVER

NOTICE The most efficient way to pair M.I.N.E.® Camera with control box receiver is to conduct these steps before mounting camera in place.

THIS STEP IS ONLY A FUNCTION OF THE M.I.N.E.® CAMERA. THE I.C.E.® CAMERA DOES NOT UTILIZE AN INTERNAL TRANSMITTER.
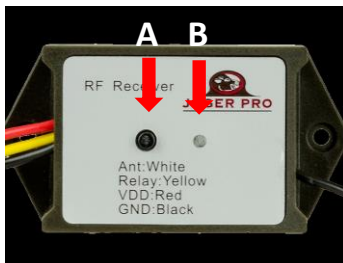
The M.I.N.E.® Camera has an internal transmitter on the circuit board and must be located within 50 yards of the M.I.N.E.® Gate to operate correctly. Users must manually pair camera transmitter signal to each control box receiver the first time they are linked together. It is not necessary to pair camera transmitter to receiver more than one time. Pressing and holding the Pair to Transmitter button for 8 seconds will clear out the memory.
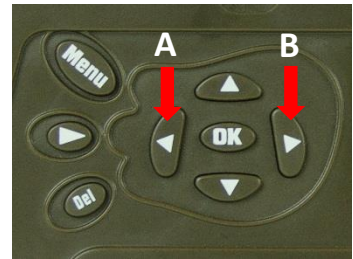
Pairing Steps:
(New Receiver)

1. Press and release "frequency select" button (C) and red light (B) will flash either three times or five times. Press and release "frequency select" button (C) until red light (B) only flashes three times.
2. Move camera selector switch from OFF to Setup.
3. Press and release "pair to transmitter" button (A) and red light (B) will illuminate for 15 seconds. Users only have 15 seconds to complete step 4 once step 3 has been initiated.
4. Press and release camera "left arrow" (A) then press and release camera "right arrow" (B) to send a manual RF signal to control box receiver. "RF Trigger" will appear at bottom of camera screen. Red receiver light (B) should flash five times then no longer illuminate.
5. Ensure M.I.N.E.® Camera and receiver are paired. Press and release camera "left arrow" (A) then press and release camera "right arrow" (B) button while observing green light (D) illuminates. Test successful.

Pairing Steps:
(Old Receiver)

1. Move camera selector switch from OFF to SETUP.
2. Press and release "pair to transmitter" button (A) and red light (B) will illuminate for 15 seconds. Users only have 15 seconds to complete step 3 once step 2 has been initiated.
3. Press and release camera "left arrow" (A) then press and release camera "right arrow" (B) to send a manual RF signal to control box receiver. "RF Trigger" will appear at bottom of camera screen. The receiver light should flash three times and shut off if performed correctly.
4. Ensure M.I.N.E.® Camera and receiver are paired. Press and release camera "left arrow" (A) then press and release camera "right arrow" (B) button while observing red light (B) illuminates. Test successful.

Repeat these steps on other control box receivers if multiple gates are used at trap enclosure.

! WARNING **CRUSH HAZARD:** Stand clear of gate as it could cause bodily harm! Ensure safety clip is installed if gate is in the UP position.

CAMERA DEPLOYMENT

Align the ¼" by 20 threads of the T-Post mounting bracket to the camera mounting port. Thread the mounting bracket no more than three complete rotations into the camera mounting port. Then tighten using the adjusting nut. ***Note:*** Forcing external threads to the bottom will damage the camera mounting port and the camera housing.

Warning: Never mount the camera on the same T post securing a trap panel or severe damage may result. Always mount the camera on a separate 8 foot long T post at least 12 to 24 inches outside the trap enclosure. Lower the square collar at a diagonal over the T post spine and studs, then lower into position between two studs. Insert the mounting wedge between the T post spine and square collar. Install the thumbscrew into the ¼" by 20 threads on the mounting wedge. Tighten the thumbscrew against the T post spine to secure the camera mount. Users are able to receive a wider field of view by mounting the camera at a higher elevation, secure an additional t-post using straps or zip ties to extend the t-post height.

When mounting using the higher elevation method, it is easier to attach the booster antenna (if needed) to the camera while on the ground. Remove the standard antenna from the camera's antenna port. Carefully thread the booster antenna cable to the antenna port and tighten. Slide the rubber waterproof boot over the booster antenna cable connector.

Drive a second 7 foot long T post into the ground approximately 12 inches to the right and rear of the camera T post to attach the antenna pole. Secure the 8 foot long T post with camera to the 7 foot long T post using zip ties. The higher camera elevation will allow the booster antenna to exceed 20 feet by elevating and securing the telescoping pole to the T post with zip ties.

Standing on a step ladder, align the camera by loosening the ball head set screw and centering the camera's view to the ground beneath the feeder legs. Tighten the ball head set screw to secure the camera's position. If possible, set up the camera so that no large trees or objects are in the main field of view of the camera, as it can adversely affect motion detection as well as night time flash range.

Move the selector switch from OFF to SETUP. The screen will display "Searching Network". The camera has successfully acquired a cellular signal when the service provider's initials appear on the display and signal strength is showing 1 bar or more. Conduct a test photo to ensure all settings are correct, after you receive the test photo, move the selector switch from SETUP to ON. Close and latch the camera within 30 seconds before the Ambient Light Sensor LED stops blinking green and the PIR triggers a photo. The camera is now operational and active.

(Optional) Secure the 6 volt external power supply to the camera mount with the battery bracket. Open the camera DC external battery port and insert the battery cable plug into the camera for extended, long-term operation.

Send a picture to your cell phone to ensure the camera is positioned and programmed correctly, the feeder is centered and the entire gate opening is visible.

LIMITED WARRANTY

Limited Warranty: JAGER PRO®, Inc. warrants the product to be free from malfunctions and defects in both materials and workmanship for two (2) years from the date of purchase ("Warranty Period"). JAGER PRO®, Inc. 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®, Inc. 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.

Repair & Service: Please contact our Camera Support department at 1-706-718-9789 (EXT 1) or e-mail: cameradepartment@jagerpro.com if this product requires repair or service. Troubleshooting may be required prior to authorization for warranted repair services. If service is recommended for your product, an RMA number and document will be provided. Additional terms and conditions may apply. If it is determined that your product does not qualify for warranty coverage, the following charges may or may not apply: Labor Hours, Parts, Materials, Estimate Services, Shipping and Handling.

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 damage, malfunction or degradation of performance resulting from improper use or connection to incompatible batteries, power supplies or memory of the product;

f. any damage, malfunction or degradation of performance resulting from improper battery usage where battery acid leaks inside the product;

g. 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

h. any defect to the product related to your failure to follow proper operating instructions provided by JAGER PRO®, Inc., 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®, Inc..

All other express and implied warranties for the product, including the implied warranties of merchantability and fitness for a particular purpose are hereby disclaimed. JAGER PRO®, Inc. expressly disclaims all warranties not stated in this warranty. Any implied warranties that may be imposed by law are limited in duration to the terms of this express limited warranty. Some jurisdictions do not allow the exclusion of implied warranties or limitations on how long an implied warranty lasts, so the above exclusions or limitations may not apply to you. In no event will JAGER PRO®, Inc. be liable to you, or any third party, for any damages in excess of the purchase price of the product. In addition, JAGER PRO®, Inc. shall in no event be liable to you, or any third party, for any direct or indirect damages or other special, incidental, exemplary or consequential damages arising out of the use or inability to use the product. Some jurisdictions do not allow the exclusion or limitation of incidental or consequential damages for some products, so the exclusions or limitations may not apply to you. This limited warranty gives you specific legal rights, and you may also have other rights which may vary from jurisdiction to jurisdiction.

Notwithstanding any terms of this Limited Warranty to the contrary, no warranty coverage shall be provided for a Product purchased from, through, or with the assistance or involvement of any Internet auction web site. JAGER PRO®, Inc. reserves the right to modify its warranties prospectively at any time, in its sole discretion.

CARE AND MAINTENANCE

1. Inspect the outside of the camera body for any cracks which may cause water or moisture to damage electronics.
2. Check for condensation inside the camera lens.
3. Ensure the antenna is not loose, bent, broken or cracked and that the rubber grommet is present.
4. Wipe excess dirt from camera lens with a soft cloth and use a moist cotton swab with rubbing alcohol to thoroughly clean.
5. Apply even pressure to camera face and main body housing when closing to ensure proper alignment of waterproof seal.
6. Ensure the latch is tightly securing the camera housing.
7. Clean inside the ambient light sensor port and PIR cover.
8. Inspect the DC and USB port covers for dry rot and damage.

WARNINGS

Avoid Strong Magnetic Fields
• Never place the camera in close proximity to electric motors or other equipment generating strong electromagnetic fields. Exposure to strong magnetic fields may cause malfunctions or corrupt image data.
Avoid Condensation
• Moving the camera rapidly between hot and cold temperatures may cause condensation (water droplets) to form on its external and internal surfaces. You can avoid this by placing the camera in an airtight, plastic bag and letting it adjust to temperature changes slowly before removing it from the bag.
• If Condensation Forms Inside the Camera, stop using the camera immediately if you detect condensation inside the camera. Continued use may damage the camera. Remove the memory card and batteries from the camera and wait until the moisture evaporates completely before resuming use.
Power source
• Always insert the batteries according to the polarity symbols, inserting batteries improperly may lead to overheating, distortion of the equipment, fire, electrical shock or other hazards.
• Store this equipment out of the reach of children and infants. Accidental damage to the camera or batteries by a child could result in serious injury.
• Do not allow water or other liquids to enter the interior of the camera. The interior has not been waterproofed. If the exterior comes into contact with liquids or salt air, wipe it dry with a soft, absorbent cloth. In the event that water or other foreign substances enter the interior, immediately turn the camera's power off and remove the camera batteries. Continued use of the equipment may result in fire or electrical shock. Please contact JAGER PRO® Technical Support.
• Use of power sources not expressly recommended for this equipment may lead to overheating, distortion of the equipment, fire, electrical shock, or other hazards. Use only the recommended power accessories. Any use of non-JAGER PRO® power sources will void the warranty on your camera.
• Do not mix battery types. We recommend Energizer Ultimate Lithium batteries for your camera. You should **NEVER MIX BATTERY TYPES**! Damage to the camera can result and your warranty will be voided if you do so.
• Do not attempt to disassemble, alter, or apply heat to the batteries. There is serious risk of injury due to an explosion. Immediately flush with water any area of the body or clothing that comes into contact with the inner contents of a battery. If the eyes or mouth contact these substances, immediately flush with water and seek medical assistance.
• Avoid dropping or subjecting the batteries to severe impacts that could damage the casings. It could lead to leakage and injury.
• Do not short-circuit the battery terminals with metallic objects, such as key holders. It could lead to overheating, burns, and other injuries.
• Use of batteries not expressly recommended for this equipment may cause explosions or leaks, resulting in fire, injury, and damage to the surroundings. Use only recommended batteries and accessories.

• Avoid using, placing, or storing the equipment in places subject to strong sunlight or high temperatures, such as the dashboard or trunk (boot) of a car. Exposure to intense sunlight and heat may cause the batteries to leak, overheat or explode, resulting in fire, burns or other injuries. High temperatures may also cause deformation of the casing.

• Be careful not to bang the camera or subject it to strong impacts or shocks that could lead to injury or damage the equipment.

• The DC Port plug must be removed before accessing camera functions. Opening the camera while the external battery is plugged into the housing port may result in damage to both the camera and the external battery.

Desiccant

• When using desiccant, the following precautions should be followed: Keep out of reach of children, do not eat, and do not inhale desiccant dust. If the desiccant packet tears or breaks, wash your hands if they come in direct contact with the desiccant. Desiccant may cause eye, skin, and mucous membrane irritation. Prolonged inhalation may cause lung damage. Asthma can be aggravated by exposure to desiccant.

• If you know or suspect desiccant has been ingested, seek medical assistance for further treatment, observation, and support if necessary. For eye contact, flush with water for at least 15 minutes. For skin contact, wash affected area with soap and water. For inhalation of desiccant dust, move affected person into an environment with fresh air. For accidental ingestion, drink at least two glasses of water.

• Check your state/local laws concerning the use of this product.

Internal components

• Removing screws from internal camera ports will damage electronic components and may void the warranty.
NOTE: There is a warranty seal on your camera; if this seal is broken or tampered with could void your warranty.

Repair or Replacement

Customer must obtain a Return Merchandise Authorization (RMA) number from JAGER PRO® before returning any product(s) for repair or replacement. If JAGER PRO® concludes that a returned product is not defective, customer will be notified, the product will be returned to the customer at their expense and may be charged for examination and testing of the product.

This limited warranty is the sole warranty for hardware and software products offered by JAGER PRO® and JAGER PRO® shall not be liable for any amounts for said products except in compliance with this warranty.

If during this period, through normal use, a hardware product becomes defective due to defects in materials or workmanship, JAGER PRO® will either repair or replace the product. This warranty is void if a product failure results from accident, abuse, improper use, disassembly, or unauthorized maintenance and repair by customer.

Proof of Purchase or Proof of Warranty

We pride ourselves on providing top-quality scouting cameras for capturing feral swine and take quality seriously. We are constantly evolving our designs to ensure our products do the best job possible. When requesting warranty coverage, we may require the following:

a) Warranty registration within 30 days of the original purchase date, or online at the JAGER PRO® website is required for warranty coverage to be valid.

b) We may require proof that the claim is valid. In this regard, we may ask you to, for example, trouble shoot service issues via phone, e-mail or other electronic means, return your product to us for warranty coverage verification, or provide such other proof to allow us to determine the validity of warranty coverage on your claim. This most likely will require you to send your product in to us.

c) We may require you to provide us with your purchase receipt as proof of purchase from an authorized dealer.

Unclaimed Items

It is the customer's responsibility to respond to any inquiry initialized from our warranty department. JAGER PRO® will only keep the returned goods for 6 months. Unclaimed returned item(s) will be discarded after 6 months. If the product is beyond the warranty period, the price for repairing or replacing may vary. Please allow 2-8 weeks for delivery.

Technical Specifications	
Picture Resolution	3 MP / 5 MP / 8 MP
Video Resolution	320*240@30 fps 1024*576@30 fps 720p@30fps 1080p@10fps
Video Length	1-30 seconds (not transmittable)
Transmitted Images	Thumbnails: 640*480 or 1280*960 HD (upon request): 2048*1536 (3 MP) 2592*1944 (5 MP) 3264*2448 (8 MP)
Trigger Time	0.6s
Lens	FOV (Field of View) 52°
Night Illumination	InfraRed Blackout Flash (940nM)
Display Screen	2.0" LCD (Liquid Crystal Display)
Memory Card	Up to 32GB, Class 10
Trigger	Motion (PIR) / Timer (Time Lapse, Start-Stop)
PIR Sensitivity	Adjustable (High/Normal/Low/Off)
Temperature	-4° - +140° F (Operation) -22° - +158° F (Storage)
Trigger Interval	0s – 60 min
Time Lapse Interval	5s – 60s/1 min – 60 min/1 hr – 8 hrs
Photo Burst	1 – 3
Power Supply	4, 8, or 12 1.2-1.5v AA lithium, or NiM Optional: 6V external power, AC power
Stand-by Current	< 0.20 mA (<5 mAh/day)
Sound Recording	Available
Mounting	T-post mount / Tripod / mounting strap / Python lock
Weight	0.8 lbs
Dimensions	6 x 5 x 3.5 inches
Operation Humidity	5% - 90%

CAMERA ACCESSORIES

JAGER PRO® offers several items for the M.I.N.E.® and I.C.E.® camera to increase the versatility and function of the camera. These items may be purchased online at https://jagerpro.com/shop/.

External 5 decibel Booster Antenna

This antenna is designed for areas where cellular coverage is weak and enables users to expand the usable range of the M.I.N.E.® and I.C.E.® Camera.
• 5 decibel gain for remote areas
• 2.5 feet mast allows for higher vertical reach in terrain such as valleys and thick tree cover
• 10.5 feet coaxial cable is designed for high quality signal transmission while providing flexibility to mount on a 16' tall telescoping pole.

T- Post Camera Mount

Allows the M.I.N.E.® and I.C.E.® Camera to easily mount in remote locations and above trap panels using a T-Post.
• Aluminum and steel construction for strength and durability
• Ball head allows the camera to be quickly aimed with precision

6V Battery Box

This rugged weather resistant battery box contains a 6V sealed lead acid battery, an AC charger and strap for long and durable performance of the M.I.N.E.® and I.C.E.® Cameras.
• 8 foot long outdoor cable for maximum charging flexibility.
• Hanging strap for mounting convenience.

Camera Security Box

Made of all steel construction and professionally powder coated.
• Lockable with Master PadLock for added security.
• Can be lagbolted, belted or bungied.
• Cutouts for antenna, power cords and drainage.
Camera, lagbolts, belts, bungies and locks are not included.

GLOSSARY

CDMA- Code Division Multiple Access is a competing cell phone service technology to GSM, which is the world's most widely used cell phone standard. Sprint, Verizon, and Virgin Mobile use CDMA.

GPRS- General Packet Radio Service was early technology to enable data communication on GSM networks. It has since been replaced by better data technologies such as EDGE and 3G. It is based on GSM and compliments SMS.

GSM- Global System for Mobile communications. Cell phones use a cellular provider's GSM network by searching for cellular phone towers in the nearby area. GSM has more complete global coverage due to roaming and international roaming contracts. AT&T and T-Mobile use GSM.

ICCID- Integrated Circuit Card ID is a unique number assigned to a SIM card used on a GSM, CDMA or LTE network.

I.C.E.®- Intelligence Collecting Equipment. The JAGER PRO® I.C.E.® cellular camera is a next-generation scouting tool which can send motion-triggered or time-lapse pictures to email, including your cell phone.

IMEI- International Mobile Equipment Identity is a 15- or 17-digit code that uniquely identifies mobile phone sets.

MEID- Mobile Equipment Identifier is a globally unique number identifying a physical piece of CDMA2000 mobile station equipment.

M.I.N.E.®- Manually Initiated Nuisance Elimination. This trapping system was developed during three years of research and designed to capture the entire sounder group at one time.

MMS- Multimedia Messaging Service. Takes SMS text messaging a step further by allowing for longer lengths beyond the traditional 160-character SMS limit.

PIR- Passive Infrared. A PIR sensor does NOT detect or measure "heat". It detects the infrared radiation emitted from an object to detect motion. It triggers the camera to take a photo or video when an object passes in front of the sensor.

Portal- Designation of our camera operational website: https://my.jagerpro.com/home.

SIM- Subscriber Identity Module. A small card used in GSM and/or CDMA devices to identify your account to the cellular carrier. Users may change SIM cards between cameras and the phone number and data plans transfer with it.

SMS- Short Message Service. SMS is also often referred to as texting, sending text messages or text messaging. The service allows for short messages to be sent from one cellular device to another cellular device or from the Internet to a cellular device.

SMTP- Simple Mail Transfer Protocol is an internet standard for electronic mail (e-mail) transmission across Internet Protocol (IP) networks. SMTP was first defined by RFC 821 (1982, eventually declared STD 10) and last updated by RFC 5321 (2008) which includes the Extended SMTP (ESMTP) additions and is the protocol in widespread use today.