Cuddeback Digital

Cuddeback Digital
CuddeLink

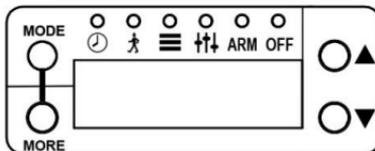**Cuddeback** Digital CELL

Cuddeback Setup Manual

For firmware version 8.2.0 and later

Manual Number 20.2

CuddeLink QuickStart manual begins on page 21

ABOUT THIS MANUAL

This is a comprehensive manual that explains operation of Cuddeback G-Series, J-Series, & K-Series cameras.   Some sections may not apply to all cameras and photographs & drawings in this manual may differ from your product. However, operation is identical for all products.

For information on the camera hardware, batteries, mounting, etc. refer to the Hardware Manual that was included with your camera.

The most recent manuals are available for download at Cuddeback.com.

PHOTO CONTEST

Win a Cuddeback Photo Contest
Enter Cuddeback's Photo-of-the-Month contest. Every month we give away Cuddeback cameras. Submit your favorite Cuddeback photo at Cuddeback.com/contest. Any Cuddeback picture can win and you can enter as often as you like. (Winners are based on image quality and not animal size).

MAKE YOUR CAMERA BETTER

We are continuously improving our products through firmware updates. Firmware updates can improve performance and add new features. These upgrades are free and only require a a few minutes to perform. Refer to next section for details.

FIRMWARE UPDATE

We never stop improving our products. Firmware updates improve your camera with enhanced performance and new features. We strongly recommend you visit our website once or twice a year to check for firmware updates. Updating your Cuddeback camera firmware is a 2 step process: 1) retrieving firmware from the Cuddeback website, and 2) loading the firmware onto your camera.

How to retrieve firmware updates:

a. Visit our website and check if new firmware is available. Visit Cuddeback.com/update and follow onscreen instructions.

b. Register your camera at cuddeback.com/register and opt-in to our email announcements. We will email you new firmware when it is available.

Loading firmware onto your Cuddeback camera:

a. Copy the firmware file to your SD card.

b. Insert the SD card into your Cuddeback camera.

c. Press MODE until COMMANDS LED is on.

d. Press MORE until LOAD F/W is displayed.

e. Press UP to begin. CONFIRM will be displayed. Press UP to confirm.

f. DO NOT REMOVE THE SD CARD until the clock time is displayed.

g. The LCD display will display BUSY and the LEDs will illuminate. When finished the time will be displayed and you can remove the SD card.

h. You can use the same SD card to update all your Cuddeback cameras.

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This section explains how to use the User Interface and configure the camera's general settings.

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Part 3 - CAMP Cell Activation - page 50
This section explains how to setup a Cuddeback cell data plan on our CAMP website.

Part 4 - Cell User Interface - page 58
This section explains how to configure the camera's cell settings.

Part 5 - Help and Problem Solving - page 64
Get pointers on solving common issues and where to look for help.

LEARN MORE

For more information and training videos visit our website at Cuddeback.com

For online video

training scan QR code

with your cell phone

PART 1 - USER INTERFACE

Part 1 of this manual covers basic operation of Cuddeback cameras. This section explains how to use the user interface and setup the camera.

J-Series camera shown. Other cameras feature a similar user interface.
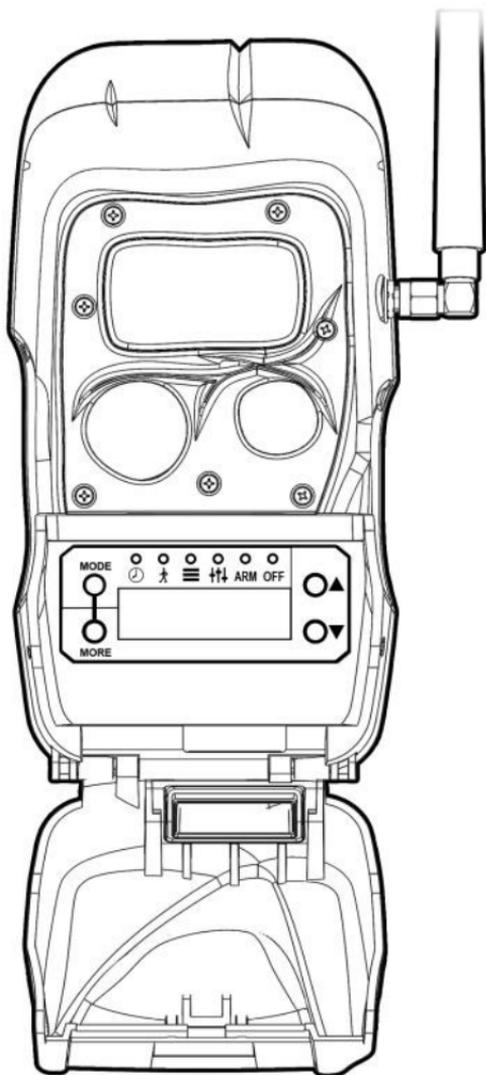
PART 1 - USER INTERFACE

The Advanced User Interface has 3 sections: LCD Display, Keys, LEDs.

6 LEDs

MODE

⏱ 🚶 ≡ ⫯⫯⫯ ARM OFF

LCD DISPLAY

▲

MORE

▼

4 Keys: MODE, MORE, UP, DOWN
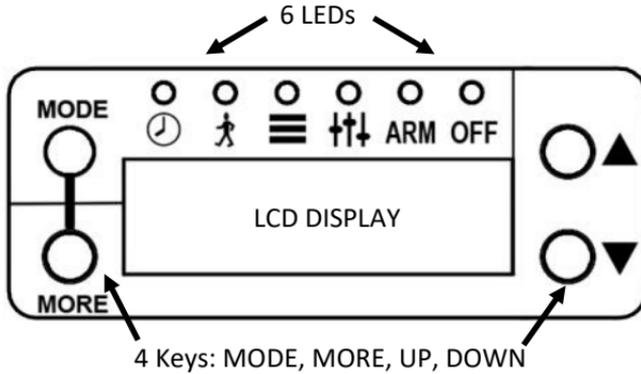
Press the **MODE** key to change the operating mode. The corresponding LED will light to show what mode is enabled.

- **CLOCK**—displays and sets date and time

- **TEST**—enables walk test & diagnostic features

- **COMMANDS**—access to various commands

- **SETTINGS**—programs camera operating parameters

- **ARM**—enables the camera to detect activity and take pictures

- **OFF**—turns the camera off

When a mode is displayed press the **MORE** key to access additional menus for each mode.
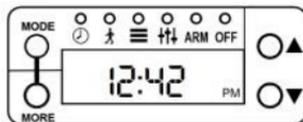
Press the **UP** and **DOWN** keys to alter the setting of the displayed activity.

Note—in this manual the text **UP/DOWN** *means you can press* **UP** *or* **DOWN***.*

6

🕐 CLOCK MODE

Setting the clock will demonstrate the functionality of the user interface.

Press MODE until the CLOCK LED is illuminated.

CLOCK will be briefly displayed then the current time will be displayed. Press MORE and the date will be displayed. Press MORE again and the time will be displayed.

Set the Time
With the time displayed press the UP or DOWN key.

The hour will flash indicating you can change the hour. Press UP/DOWN as needed to set the hour.

Press MORE to switch to minutes. The minutes will begin to flash. Press UP/DOWN to set as desired.

When the correct time is set press MORE to exit the time setting.

Set the Date
Note - date is displayed in Month-Day-Year format.

With the date displayed press the UP or DOWN key.

The month will flash indicating you can change the month. Press UP/DOWN as needed to set the month.
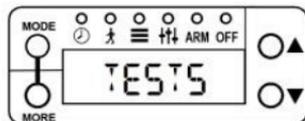
Press MORE to switch to day. The day will begin to flash. Press UP/DOWN to set as desired.

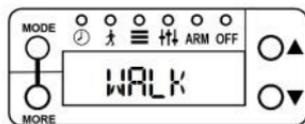Press MORE to switch to year. The year will begin to flash. Press UP/DOWN to set as desired.

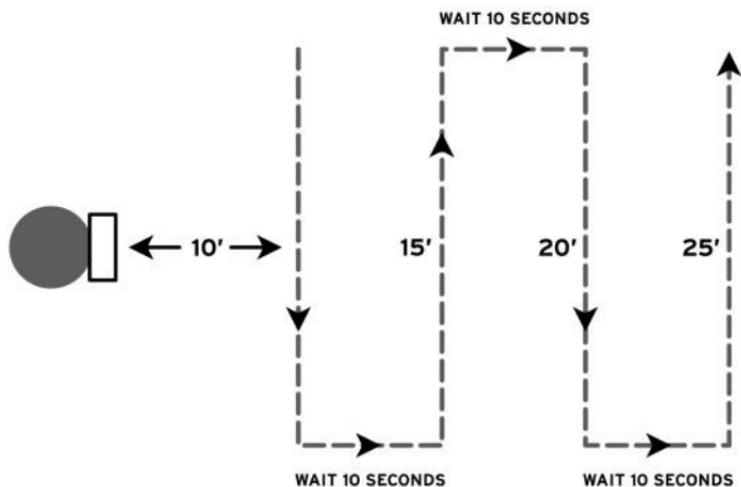When the correct date is set press MORE or MODE to exit the date setting.

🚶 TEST MODE

Press MODE until TESTS is displayed.

After a moment WALK will be displayed.

When WALK is enabled the RED LED (inside the flash LEDs) will illuminate when a subject is detected. Walk back and forth (not towards) the camera to verify the detection zone.

Press MORE to display additional test options. See *Part 6 - Help & Support* section for instructions on how to use these functions to troubleshoot and test your camera.

☰ COMMANDS MODE

Press MODE until COMMANDS is displayed. After a moment BATTERY will be displayed. Press MORE to display additional COMMANDS. When a COMMAND is displayed press UP/DOWN to activate as required.

1. Battery

Battery level is displayed as OK, LOW, or DEAD. Press UP/DOWN to display additional battery data:

BD - Battery Days is the number of days the camera has been operating on this set of batteries.

BI - Battery Images is a count of how many _battery images_ were taken on this set of batteries. The value is calculated based upon how much battery power is used to record an image or video.

A Battery Image takes into account that a night image requires more power than a day image and a video is actually many images per second. Thus BI will be much higher than the number of images taken. This feature can be used to compare various brands and types of batteries.

2. INT BAT (J - Series cameras only)

For J-Series cameras select the type of batteries installed IN THE camera. Choices are **4 D** batteries**, 6 D** batteries**, 12 AA** batteries. Use the UP and DOWN keys to select. Press MORE when finished.

IMPORTANT - You must set this setting correctly for the camera to operate properly.

2. CLEAR

Clear will erase the SD card. All files and images will be deleted. Press UP/DOWN to enable the CLEAR command. You will be asked to CONFIRM. Press UP again to confirm, or press MORE to cancel the clear operation.

The clear command formats the SD card. You can use CLEAR to attempt to repair a defective or troubling SD card.

> If you have a CuddeLink or Cell camera 1 or 2 additional menus will appear: LINK MODE and CELL MODE. These menus are covered later in this manual. Skip these menus by press MORE.

3. CAM ID

Assigns a 20 character name to the camera which is printed on the image footer. The current CAM ID will be displayed. Press UP to enter or change the CAM ID. Press MORE to advance to the next position. Press and hold MORE to back up one position. Use the = symbol for space. To erase a CAM ID enter space = into the first position. When you have finished entering characters enter space in all remaining positions or wait for the activity to time out or press MODE.

This feature can be used to enter a GPS location in the format 44-24-38N 88-06-57W. Obtain the GPS coordinates from a GPS or smart phone.

4. ASPECT

Select the format of the image, either FULL (4x3) or WIDE (16x9). Wide is actually a 4x3 image cropped to 16x9 so we recommend you use FULL setting.

5. ZONE

This setting should match the position of the front panel Zone Control *(for cameras with Zone Control)*. Set to WIDE if the Zone

Control Shutter is down. Set to CENTERED if the Zone Control Shutter is up or if your camera does not have Zone Control.

6. IR MODE (LED cameras)
Configures a LED camera's night illumination/exposure mode.

CLOSE - use in forest and where animals are usually within 25 feet. This mode creates best image quality.

FAR - use in more open spaces where game is further from camera. This mode has longer illumination range.

FIELD - use this mode in food plots and fields. It optimizes exposure for wide open areas.

6. STRB POWER (flash cameras)
Configures the strobe camera's flash/exposure mode. If images are too bright lower the setting. If the images are too dark raise the setting.

INDOORS - for use when the camera is indoors to prevent overexposing the image.

CLOSE - use when subjects will be within 10 feet of camera.

FAR - use when animals are further then 10 feet from camera. This is generally the best setting to use.

7. IMAGE SZ
This sets the size of images. Select 5MP or 20MP images. We recommend 5MP images as they are excellent quality and relatively small file size. 20MP images can generate a smoother looking image.

8. LAPSE SZ
This sets the size of Time Lapse images. Select 1MP, 5MP, or 20MP. 1MP images are small size and more can fit on an SD card. You may want to select 1MP if Time Lapse is set to 1 minute or

less.

9. DST MODE
Daylight Savings Time. USA time schedule.

OFF - camera does not use Daylight Savings Time.

AUTO - camera automatically changes the time in spring and autumn for DST.

10. STATS
Displays camera's historical statistics. Press UP/DOWN to view:

Activation Date is the day the warranty begins. It is set automatically when batteries are installed.

Lifetime Days is how many days the camera has operated.

Run Days is how many days the camera has been armed.

Lifetime Images is how many images the camera has taken.

Lifetime Flash Images is how many flash images the camera has taken.

## 11. MODEL
Displays camera's model number.

12. F/W VER
Displays camera's firmware version. Press UP/DOWN to see additional version information.

13. LOAD F/W
Use to update the camera's firmware from an SD card. Refer to ***Firmware*** section in the beginning of this manual for more details.

🎚️ SETTINGS MODE

Press **MODE** until SETTINGS is displayed.   This is where you program the camera settings.

MODE ○ ○ ○ ○ ○ ○	MODE ○ ○ ○ ○ ○ ○
⏱ 🚶 ☰ 🎚️ ARM OFF ○▲	⏱ 🚶 ☰ 🎚️ ARM OFF ○▲
SETUP ○▼	ADV MODE ○▼
MORE	MORE
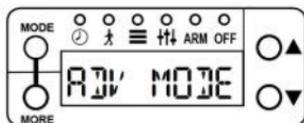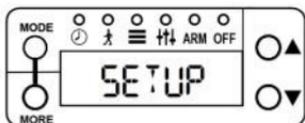
The current SETUP mode will be displayed. Use UP or DOWN to select 1 of 4 operating modes. When you have made the proper selection press MORE to continue.

EZ - Easy Mode has fewer features and is easy to use.

ADV - Advanced Mode allows programming separate settings for day & night.

SUR - Surveillance Mode optimizes the camera for surveillance operation.

PRIMETIME—Prime Time is a specialized time lapse mode used to monitor fields.

After selecting the setting mode press **MORE** to continue to the settings. Continue reading for details regarding these various SETUP Modes.

SETUP - EZ MODE

EZ Mode has 2 settings which simplifies camera setup.

> **CAM DELAY**
> This is the delay between images. Settings are FAP *(Fast-as-Possible, which is about 2 seconds)* to 1 hour. Press UP/DOWN to select.

VIDEO

Press UP/DOWN to select the length of the video or OFF if you don't want videos recorded.

The camera will record an image first and then record the videos.

SETUP - ADVANCED MODE

ADVANCED Mode allows more versatility and allows different settings for day and night. Using Advanced mode you set any combination of images, time-lapse, and video for day and night.

Press UP/DOWN to change the displayed setting. Press MORE to advance to the next setting.

DAY settings

D/ DELAY - (OFF to 1 Hour). OFF means the camera will not take a motion activated image.

D/ IMAGE - (OFF, 1, 2, 3, 4, 5). Sets number of images that will be taken with each detection. OFF means the camera will not take a motion activated image.

D/ VIDEO - (OFF, 10, 20, 30 seconds). OFF means the camera will not record a motion activated video.

D/ LAPSE - (OFF, 10 seconds to 24 hours). Time lapse automatically takes pictures at the interval set.

NIGHT settings

N/ DELAY - (OFF to 1 Hour). OFF means the camera will not take a motion activated image.

N/ IMAGE - (OFF, 1, 2, 3, 4, 5). Sets number of images that will be taken with each detection. OFF means the camera will not take a motion activated image.

N/ VIDEO - (OFF, 10, 20, 30 seconds). OFF means the

camera will not record a motion activated video.

N/ LAPSE - (OFF, 10 seconds to 24 hours). Time lapse automatically takes pictures at the interval set.

DUAL FLASH settings

If you are using a Dual Flash camera 3 additional night settings will be available. They select which illumination method to use, either RED IR (850nm LEDs) or BLACK IR (940nm LEDs).

N/ I LED - selects which LEDs to use for images

N/ V LED - selects which LEDs to use for videos

N/ L LED - selects which LEDs to use for time-lapse

IR takes better images with longer illumination range. **Black IR** has no visible glow but less illumination range.   We recommend IR for images and BLACK IR for videos.

SETUP - SURVEILLANCE MODE

Surveillance mode is a simple way to setup a camera for surveillance without having to program many settings.

Camera will record all activity. Camera Delay is set to FAP (fast-as-possible).

1. All images & videos are saved to the SD card. If the SD card is full the oldest images and video are erased to make room for new images & video.

2. Only 2 settings need to be programmed under the SETTINGS mode:

    IMAGES - (OFF, 1, 2, 3,4, 5) is the number of images to record.

    VIDEO - (OFF, 10, 20, 30 seconds) is the length of the video.

SETUP - PRIME TIME MODE

Prime Time is a specialized time lapse mode for monitoring fields for up to 3 hours each morning and evening. Unlike the time lapse mode in the ADVANCED settings, Prime Time limits the number of images recorded to allow them to be sent over the CuddeLink or Cellular network.   Motion sensing is disabled when Prime Time is enabled.

PRIME AM - (OFF, 1 Hour, 2 Hours, 3 Hours). Selects the length of time the camera will record time lapse images in the morning. The recording will begin at first light and continue for the number of hours selected.

PRIME PM* - (OFF, 1 Hour, 2 Hours, 3 Hours). Selects the length of time the camera will record time lapse images in the evening. The recording will begin at approximately the selected number of hours before darkness and continue until dark.

DELAY - (5, 10, 15 minutes). Sets the delay between Prime Time images.

*Note - When first deployed the PM operation will begin taking images the next day as the camera needs the first day to determine when darkness arrives.

ARM MODE

Press **MODE** until ARMING is displayed.   This arms the camera so it will begin taking images when activity is detected. When ARM is enabled a 30 second count-down timer is displayed. When the count reaches 0 the camera will arm.

SD Card Check*
If a SD card is not detected the warning CHECK SD will be displayed when the camera is armed.

Auto Arm
If the camera is left in any state, other then OFF, the camera will automatically arm in 5 minutes.   This prevents you from failing to activate the camera.

> *CuddeLink and Cell cameras MUST have an SD card installed. The camera will not operate without a SD card.

OFF MODE

Two steps are required to turn the camera off. Press **MODE** until OFF is displayed. After a moment CONFIRM will be displayed. Press UP/DOWN to confirm and the camera will turn off.

When OFF the camera will not take images nor will it auto-arm. Set the camera to off when transporting or storing the camera.   It is good practice to remove batteries when the camera is not going to be used for 1 month or more.

ARMED INFO - Checking a Camera

You do not have to turn the camera off to check a camera. To check a camera press UP to enable *Armed Info* which temporarily suspends arm mode. Press UP/DOWN to display camera status as follows.

BATTERY LEVEL - display battery condition

SD IMAGE - number of images on SD card*

SD VIDEO - number of videos on SD card*

SD FREE - available space on SD card*

IM IMAGE - number of images on Internal Memory**

IM FREE - available space on Internal Memory**

WALK - enables walk test (LED illuminates with activity)

ARM - arms the camera

Only appears if a SD is installed.

**Only appears if a SD card is not installed.*

After you are finished you can rearm the camera by press UP until ARM is displayed, or press MODE until ARMING appears.
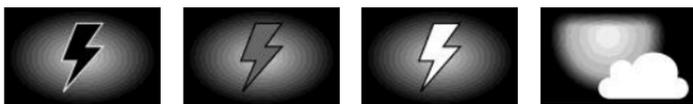
Image Footer Icons

The following icons are imprinted on the footer of a Cuddeback image.

Moon Phase - the moon phase at the time the image was taken.

Flash Mode - the type of flash used to take the image. A colored icon will indicate the flash type: Black Flash (black), IR (red), strobe (white), or Day (sun).

Burst Mode - if burst mode was enabled this icon will indicate the position in the burst sequence as a letter a thru e.

CAM ID - if camera ID is programmed it will be imprinted.

DATE / TIME - date and time is always imprinted on the image in 12 hour AM/PM format.

SD CARD FOLDERS & FILES

Motion Activated Images:
      Folder: <u>SD:\\DCIM\100CUDDY</u>
      File type: I__12345.jpg

Time Lapse Images:
      Folder: <u>SD:\\DCIM\200CUDDY</u>
      File type: L__12345.jpg

Videos:
      Folder: <u>SD:\\DCIM\300CUDDY</u>
      File type: V__12345.m4v

CuddeLink Images*:
      Folder: <u>SD:\\DCIM\400CUDDY</u>
      File type: T__12345.jpg

CuddeLink Report*:
      Folder: <u>SD:\\DCIM\400CUDDY</u>
      File type: CuddeLink.html

Help File:
      Folder: <u>SD:\\</u>
      File: Cuddeback Help.html

CuddeLink folders and files only pertains to CuddeLink cameras. Refer to CuddeLink section in this manual.

STOP CHECKING TRAIL CAMERAS

CuddeLink is not cell service or Wi-Fi, it's a proprietary wireless mesh network.

CuddeLink transmits images from up to 23 Remote cameras to 1 Home image collection camera.

Camera to camera range over 1/4 mile in a forest and much further in open terrain.

Cameras automatically daisy chain to extend range to miles.

WITH CUDDELINK, YOU CHECK ONE AND YOU CHECKED THEM ALL.

READ THIS MANUAL. The difficulty with explaining CuddeLink concepts is it is easier to use CuddeLink than it is to explain. We recommend you read this section twice. After which you will find setup and deployment very easy.

Online Videos
We also recommend you watch our tutorial videos at www.cuddeback.com/learn/cuddelink.

Email Support
Due to the advanced nature of this technology we do not offer phone support. All support must be via email. Visit www.cuddeback.com/support/contact to email us and your questions will be answered by the engineers and technicians who designed CuddeLink.

SD Card
Every CuddeLink camera must have an SD card installed. Any size card from 2GB to 32GB can be used. We recommend you use name brand quality SD cards.

Batteries
CuddeLink requires more power than a conventional trail camera. DO NOT USE CHEAP or USED BATTERIES. Only use name-brand, from-the-store-new batteries. We encourage CuddeLink users to supply additional power with one of our external power sources.

Videos
This wireless transmission does not have sufficient bandwidth to send videos. For this reason CuddeLink does not send videos and video mode is disabled when CuddeLink is enabled.

Be Aware

When CuddeLink is enabled the minimum Camera Delay is 5 seconds. As stated above, video mode is disabled when CuddeLink is enabled. CuddeLink will only send the first Burst Mode image.

What CuddeLink Does

Hunters know the importance and benefits of using multiple trail cameras. But checking these cameras can be a time consuming task that takes away from hunting time and pollutes the area with human scent. Cuddeback's patented CuddeLink system eliminates checking multiple cameras and utilizes 1 camera as an image depository for up to 24 CuddeLink cameras.

CuddeLink is a wireless network of cameras that transmit their images to 1 camera.   The image collection camera is called the **HOME** camera, and the transmitting cameras are called **REMOTE** cameras.

The cameras can be deployed in any arrangement with the only requirement being that each camera must be in radio contact with another camera and have a link back to Home. Transmission range is highly terrain dependent, but in a forest a range of over 1/4 mile is common, allowing for an end-to-end link of over 4 miles. In open terrain we have tested camera-to-camera transmission to over 1 mile.


Typical Range
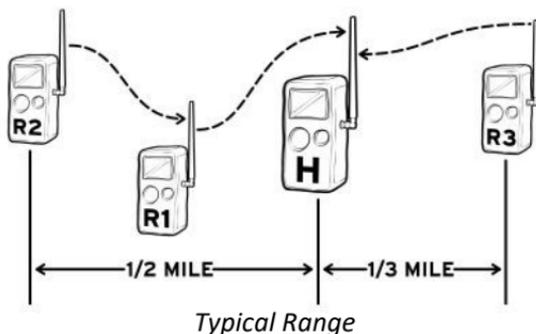
One CuddeLink equipped camera must be the HOME camera. HOME is the camera that collects images from the REMOTE cameras.

INTRODUCING CUDDELINK

There are 2 cell modes that are automatically set by the camera based upon how you use the camera.

CuddeLink Cell Mode

Images from all cameras on a CuddeLink network are sent to the user's email address. Only 1 cell service is required for up to 24 cameras. Cell product sold separately.
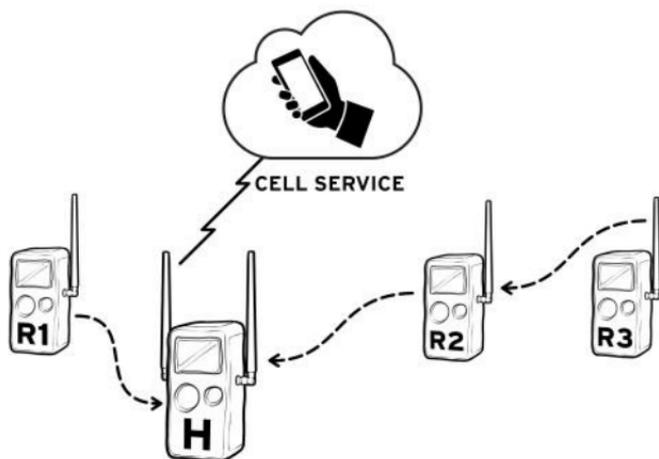
Standalone Cell Mode

CuddeLink Cell also operates in standalone mode where only images taken by the camera are sent to the user's email. This mode is used when the cell camera is not part of a CuddeLink network. Cell product sold separately.
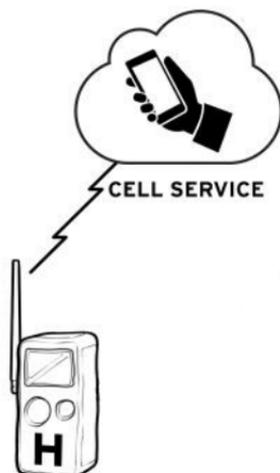
TERMS

CuddeLink is Cuddeback's trademark name for Cuddeback's network enabled trail cameras.

LINK is an abbreviation for CuddeLink.

Network refers to a collection of CuddeLink cameras that are in radio contact with each other.

Home refers to the camera or device that collects all images.

Remote refers to cameras that transmit images to the HOME.

Repeater refers to a device that acts as a relay station on a CuddeLink network. The REPEATER does not take pictures, it only transmits images from one node to the next node.

Node is a general name for any home, remote or repeater on the network.

Chain is 2 or more cameras that are linked together via the CuddeLink network.

Link is 1 connection from 1 camera to the next camera.

High Resolution Image is the full size image recorded by the camera. These images are always saved on the camera's SD card.

Thumbnail Image is a compressed image that is much smaller than the original image taken by the camera. These are the images transferred to Home. The full resolution image is available on the Remote camera so you do have access to it if needed.

CUDDELINK QUICK START GUIDE

Here is a summary of the steps you need to perform to deploy a CuddeLink network. For complete details refer to the remainder of this manual.

STEP 1. Take one CuddeLink camera & make it the HOME camera
1. Set LINK MODE to HOME
2. Set LINK CHANNEL to any 2 numbers (see page 29 for details)
3. Set LINK LOC to 001

STEP 2. Deploy HOME camera
1. Go to the location you want to deploy the HOME camera
2. Set the camera settings (date, time, delays, etc.). You must set the date and time on the Home camera.
3. ARM and deploy the camera

STEP 3. Assign all your other cameras as REMOTE cameras
1. Set LINK MODE to REMOTE
2. Set LINK CHANNEL to the same numbers you set on HOME
3. Set LINK LOC to 002 (we recommend numbering each camera consecutively starting with 1 for HOME, 2 for 1st REMOTE, 3 for 2nd REMOTE, etc.)
4. Repeat these 3 steps for all your REMOTE cameras

STEP 4. Deploy REMOTE CAMERA
1. Go to the location you want to deploy the REMOTE camera
2. Enable the LINK LEVEL menu and wait for a signal level to appear (- - means no signal, and a number indicates a signal. If you do not get a signal within 3 or 4 minutes or signal is

less than 15 we recommend you move closer to the HOME camera or closest Remote camera.)

3. Set the camera settings (date, time, delays, etc.). Setting date and time is optional as the camera will set the date from the CuddeLink Home.
4. Deploy and ARM the REMOTE camera
5. Repeat these 4 steps for all your REMOTE cameras

STEP 5. Deploy additional REMOTE CAMERAS

1. Repeat Step 4 for all your REMOTE cameras

STEP 6. Read this manual

1. Read this manual for full details on performing the above steps, and for detailed instructions.

For support scan

QR code with

your cell phone

https://www.cuddeback.com/support

CUDDELINK SETUP

All CuddeLink cameras **must** have an SD card installed.

The HOME camera saves the images it records & images from the Remotes cameras on the SD card. We recommend a 4GB or larger card. A 4 GB card will hold 10s of thousands of CuddeLink images.

The REMOTE cameras saves high resolution images on the SD card and saves a thumbnail image in a TX_QUEUE where they are queued for transmission to HOME. A 2GB card or larger should be used.

This guide assumes you know how to navigate the camera's user interface. All the settings explained in this section are in the **LINK MENU** item. To access the LINKMENU press MODE until **COMMANDS** is selected, then press MORE until **LINK MENU** appears, then press UP.
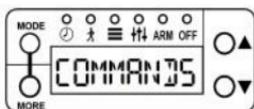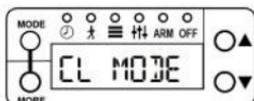
Press MODE then press MORE
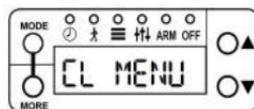
SETUP the HOME cameras

Set the normal camera parameters as explained in the camera's manual.   Date, time, camera delays, etc.

Set **LINK MODE** to HOME by pressing UP as needed.

After **LINK MODE** is set to HOME, press MORE to continue.
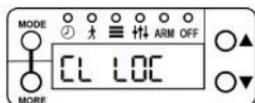
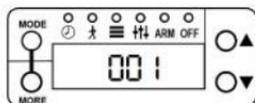Press UP or DOWN to select Home

Set **LINK LOC** to 001. This is a Location ID number used to identify each camera. We recommend HOME always be set to 001.
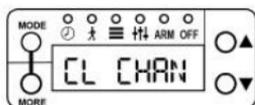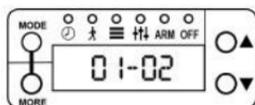
Skip over **LINK INFO** by pressing **MORE**

 Press UP to set LINK LOC to 001

Set **LINK CHAN** to any numbers. Channel is made up of 2 numbers. Pick any 2 numbers. Use **UP** & **DOWN** to change the number and **MORE** key to switch to the other number.

 Set LINK CHAN to any 2 numbers

Remember what you selected as <u>all cameras must be set to the same channel.</u>

IMPORTANT - If you have multiple CuddeLink networks, or there are other CuddeLink networks in the vicinity, make sure <u>both numbers</u> are unique across all networks. For example. If you have 2 networks:

Network 1 channel 01-08, Network 2 channel 01-10 - bad

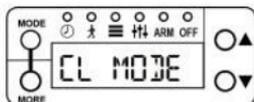**Network 1 channel 01-08, Network 2 channel 10-18 - good**

That is all you need to do on the HOME camera. Deploy and ARM the Home camera (Press MODE until ARM is selected).

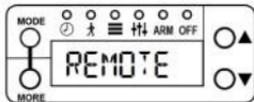*Note—the Home camera **must** be armed before you deploy Remote cameras.*

SETUP the REMOTE cameras

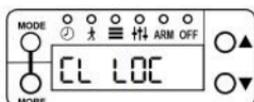Set the normal camera parameters as explained in the camera's manual.   Date, time, camera delays, etc.

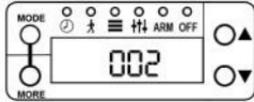Set **LINK MODE** to REMOTE then press MORE.

MODE ○ ○ ○ ○ ○ ○ ⏱ 木 ≡ ↟↟ ARM OFF ▲ CL MODE ▼ MORE	Press UP or DOWN to select Home	MODE ○ ○ ○ ○ ○ ○ ⏱ 木 ≡ ↟↟ ARM OFF ▲ REMOTE ▼ MORE

Set **LINK LOC** to 002. IMPORTANT – all cameras should have a <u>unique</u> LINK LOC (location) number.   We recommend you set Home to 1 and set remotes as 2, 3, 4 and so on.

MODE ○ ○ ○ ○ ○ ○ ⏱ 木 ≡ ↟↟ ARM OFF ▲ CL LOC ▼ MORE	Press UP to set LINK LOC to 002	MODE ○ ○ ○ ○ ○ ○ ⏱ 木 ≡ ↟↟ ARM OFF ▲ 002 ▼ MORE

Set **LINK CHAN** to the <u>same numbers</u> you set on the HOME camera. IMPORTANT – all cameras must be set to the same channel.
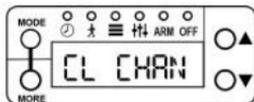
MODE ○ ○ ○ ○ ○ ○ ⏱ 木 ≡ ↟↟ ARM OFF ▲ CL CHAN ▼ MORE	Set LINK CHAN to same channel as HOME	MODE ○ ○ ○ ○ ○ ○ ⏱ 木 ≡ ↟↟ ARM OFF ▲ 16 ▼ MORE
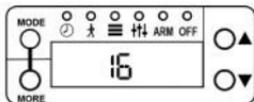
Leave **LINK COUNT** in the default settings of LINK COUNT 250.
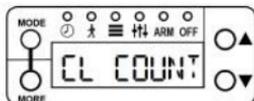
MODE ○ ○ ○ ○ ○ ○ ⏱ 木 ≡ ↟↟ ARM OFF ▲ CL COUNT ▼ MORE	Leave set to default

Press MORE to view **LINK LVL (LINK LEVEL)** and observe the display. At first - - - - will be displayed to indicate no signal. After a minute or 2 a number will appear that represents the signal strength. If the strength is displayed you can ARM and deploy the camera.
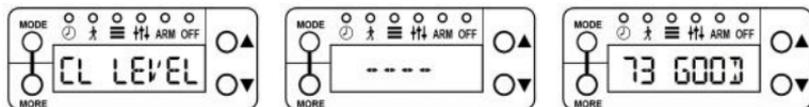
If a signal is not displayed within a few minutes you may be too far from the HOME camera, or HOME may not be ARMed.

IMPORTANT – CuddeLink transmission distance varies with terrain and distance and can be from a few hundred yards to over a mile. Typical range in a forest is 1/4 mile. You must use LINK LEVEL to verify you have a signal before you deploy a remote camera.

After a signal is received you must ARM the camera before deploying additional remote cameras. (Press MODE until ARM is selected).

Signal will be displayed as GOOD or WEAK. Dashes indicate no signal is received.

Continue to deploy all your Remote cameras in a similar manner. When deploying a Remote it is good practice to enable LINK LEVEL while next to a Home or Remote camera that has been successfully deployed and armed. When a LINK LEVEL appears on the camera begin moving to the new location. This method makes it easy to monitor the connection status as you move about.

VERIFY REMOTES ARE CONNECTED TO HOME

LINK INFO. It is good practice to **verify** that all your cameras connect to Home. After deploying your remotes you should return to the Home camera and use **LINK INFO.**
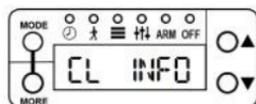
 These 2 displays will toggle

Activate the LINKMENU as previously explained, then press MORE until LINK INFO. The first LINK INFO display will show LINK INFO and the number of camer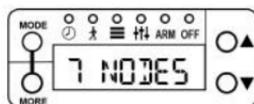as on the network. From the main LINK INFO display press UP and the status of the first camera will be displayed.   Continue to press UP to display the status of each camera.

LlNK INFO is also available in the ARMED INFO menu.

Note - depending upon how many cameras you deployed it may take several hours for the LINK INFO to update. If all Remotes are not shown you should wait a few hours and check again. If a camera fails to display see the Troubleshooting section of this manual.

1st Screen	2nd Screen	Explanation
01 / HOME	001 OK	1st node is HOME with LINK LOC 001. Battery is OK.
02 / CAM	005 OK	2nd node is a remote camera with LINK LOC 005, battery OK.
03 / CAM	003 LO	3rd node is a remote camera with LINK LOC 003, battery LO.

CHECKING the HOME camera

Checking the CuddeLink HOME camera is similar to checking a conventional trail camera.

- Press UP to put the camera into Armed-Info mode. DO NOT turn off the camera!

- If you continue to press UP status of the Home camera will be displayed.

- Remove the SD card and use your normal image viewing method.

On the SD card is folder named \\DCIM\400CUDDY. Within this folder are images from the CuddeLink remote cameras. If you used a unique LINK LOC then each remote camera's images will be in a different folder within the 400CUDDY folder.

The images taken with the HOME camera are in the \\DCIM\100CUDDY folder.
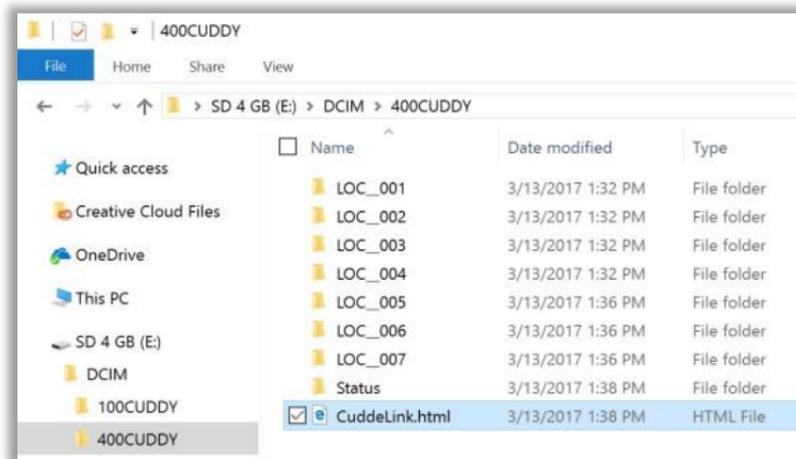
Above - Contents of Home SD card. Images from Remote cameras are in the LOC__### folders.

CUDDELINK MENU COMMANDS

The LINK MENU items will differ depending upon if a camera is configured as a HOME, REPEATER or REMOTE.

HOME Menu Items

SETTING	RANGE	DESCRIPTION
LINK MODE	OFF, **HOME**, REMOTE, REPEATER	One camera must be set to HOME. All other cameras must be REMOTE or REPEATER.
LINK LOC	000 thru 999	This assigns a LOCATION ID to each camera. Assign each camera a unique identification number.
LINK CHAN	1-1 thru 16-31	Every camera on the network must be set to the same channel.
LINK INFO	Not applicable	Displays status information for each remote camera that is connected. Press UP or DOWN to cycle thru the cameras.

REPEATER Menu Items

SETTING	RANGE	DESCRIPTION
LINK MODE	OFF, HOME, REMOTE, **REPEATER**	One camera must be set to HOME. All other cameras must be REMOTE or REPEATER.
LINK LOC	000 thru 999	This assigns a LOCATION ID to each camera. Assign each camera a unique identification number.
LINK CHAN	1-1 thru 16-31	Every camera on the network must be set to the same channel.
LINK LVL	Signal strength - - - - to 99	Use Link Level to verify the camera is on the network and how strong the signal is.

REMOTE Menu Items

SETTING	RANGE	DESCRIPTION
LINK MODE	OFF, HOME, **REMOTE**, REPEATER	One camera must be set to HOME. All other cameras must be REMOTE or REPEATER.
LINK LOC	000 thru 999	This assigns a LOCATION ID to each camera. Assign each camera a unique identification number.
LINK CHAN	1-1 thru 16-31	Every camera on the network must be set to the same channel.
LINK COUNT	ALL, 25, 50, 100, 250, 500	Sets the maximum number of images that will be queued to send. Deletes the oldest images to make room for the newest.
LINK LVL	Signal strength - - to 99	Use Link Level to verify the camera is on the network and how strong the signal is.
LINK CLEAR	Not Applicable	Press UP and all images queued to transmit will be erased.

VERY IMPORTANT

MAKE SURE OF THE FOLLOWING

- All your cameras* are set to the same LINK CHAN

- Each camera has a unique LINK LOC number

- You have a LINK LEVEL when you deploy a remote

* Cameras also refers to Repeater and Home products

LINK MODE (CuddeLink Mode)

LINK MODE sets the camera's CuddeLink mode. Choices are OFF, HOME, REMOTE, REPEATER. Press UP or DOWN to select, then press MORE to continue programming additional CuddeLink settings.

OFF – use this if you do not want this camera to be part of a CuddeLink network. The CuddeLink radio will be disabled.

HOME – Set Home on the camera that collects images. Only 1 camera can be set to HOME.

REMOTE – Set Remote on the cameras that take pictures and transmit the pictures to the HOME camera.

REPEATER – use this when you need a repeater to transmit images, but you do not want the camera to record images. Refer to REPEATER section later in this manual.

LINK LOC (CuddeLink Location)

LINK LOC (LOCATION) assigns a unique number to each camera on the network. We strongly recommend each camera has a unique number. Refer to section **CAMERA NAMING** for our recommendations on how to use this setting.

LINK CHAN (CuddeLink Channel)

LINK CHAN (CHANNEL) sets the radio frequency the cameras use to transmit images. All cameras on your network must be set to the same channel. CuddeLink has channels numbered 1-1 thru 16-31. You can choose any number you like, but do not choose a channel number used by another network in the immediate area, and make sure both numbers you select are unique across neighboring networks. For example, if you are using 01-02 on one network do not use 01-03 on a neighboring network, both numbers should be unique.

Neighbors. If an adjacent land owner is using CuddeLink you must be on different channels. To determine if a neighbor is using CuddeLink turn off your Home camera and use the RF LEVEL on a Remote camera to *listen* for radio traffic. If a numerical signal is displayed you must select a different channel. With 496 channels available you should be able to find a clear channel.

More than 24 cameras. A single CuddeLink network is limited to 24 cameras. If you require more than 24 cameras you can deploy additional networks. Each network must be assigned a unique LINK CHANNEL.

LINK LVL (CuddeLink Level on REMOTES only)

LINK LVL (Remote only). LINK LEVEL is a signal strength meter. The range is 10 (poor) to 99 (best). A level above 20 is sufficient for reliable image transmission. We have successfully deployed networks with signal level as low as 10, however, for best performance try to keep the levels at 20 and above.

- A display of - - - - indicates no signal is received.

- It may take up to 2 minutes for the LINK LEVEL to detect a signal. If a signal is not received within a few minutes you must move closer to the nearest active camera.

- It is good practice to enable LINK LEVEL while next to a deployed camera and then move away from that camera with the LINK LEVEL displayed. This allows you to monitor the level as you move further from the deployed camera.

- LINK LEVEL will vary and you may see the level fluctuate as you are observing and from day to day.

- If a signal cannot be received you will need to move closer to a connected camera. If you never receive a signal verify the HOME camera is ARMed and the LINK CHAN is set to the same

number on all cameras.

LINK INFO (CuddeLink Status Information)
LINK INFO (Home only) displays the status of nodes on the

CUDDELINK INFO FILE

LINK INFO file. A detailed status report is available on the Home camera's SD card. Click the file **Cuddelink.html** in the DCIM/400CUDDY folder. Your computer's web browser will display a report that shows detailed status of all cameras on the network.

Look for red & yellow ! symbols on the chart. Those are warnings for signal strength, battery or SD card potential issues.
Calculating… *indicates that the signal level is not known yet.* ***Links*** *indicates how many cameras the images route through to get Home.*

#	Mode	Location ID	Camera ID	Level	Links	Battery	Image Queue	SD Images	SD Free Space	HW Version	FW Version	CL Version
								Date: 3/21/2017				
1	Home	000	HOME	-	-	Ext. OK	0	20	3728 MB	G23	5.0.97	5.0.97
2	Camera	010	DRIVE WAY	92	1	OK	0	201	3677 MB	G23	5.0.97	5.0.97
3	Camera	020	FIRST CORNER	50	1	Ext. Low !	0	63	3624 MB	G23	5.0.97	5.0.97
4	Camera	030	TRACTOR ROAD	44	2	Ext. Low !	0	41	3595 MB	G23	5.0.97	5.0.97
5	Camera	040	TAMARACK TRAIL	26	3	Ext. Low !	101 !	2286	1017 MB	G23	5.0.97	5.0.97
6	Camera	050	POPLE TREE	48	3	Ext. OK	101 !	113	3384 MB	G23	5.0.97	5.0.97
7	Camera	060	VISION CORNER	44	4	Ext. OK	0	64	3566 MB	G23	5.0.97	5.0.97
8	Camera	080	HILL TOP	32	5	Ext. Low !	0	31	1112 MB	G23	5.0.97	5.0.97
9	Camera	090	GRAVEL PIT	26	6	Ext. OK	0	27	1774 MB	G23	5.0.97	5.0.97
10	Camera	110	TWIN ROADS	16	5	Ext. OK	0	146	3619 MB	G23	5.0.97	5.0.97
11	Camera	120	BOBCAT PASS	Calculating...	6	Ext. OK	0	69	3691 MB	G23	5.0.97	5.0.97
12	Camera	130	MILLER PARK	Calculating...	6	Ext. OK	0	162	3643 MB	G23	5.0.97	5.0.97
13	Camera	140	POND FIELD	28	6	Ext. OK	0	246	3529 MB	G23	5.0.97	5.0.97
14	-											
15	-											
16	-											

CUDDELINK CAMERA NAMING

Keeping track of the physical location and images from many cameras is not easy. CuddeLink has two features to simplify camera/image management.

LINK LOC. You probably do not want images from all your cameras saved in one folder on your SD card. The Home camera saves the images from each camera in unique folders based upon the remote camera's LINK LOC setting. We recommend you assign each remote camera a unique LINK LOC number which will determine where images are saved on the HOME camera's SD card. For example:

DCIM/400CUDDY/LOC__001 this is the folder where images from camera LINK LOC 001 are saved.

DCIM/400CUDDY/LOC__002 this is the folder where images from camera LINK LOC 002 are saved.

**DCIM/400CUDDY/LOC__003** this is the folder where images from camera LINK LOC 003 are saved.

(Visit CuddeLink.com Learn section for using LINK LOC to identify remote cameras when you move them).

CAM ID. With many cameras it can be difficult to determine where an image was taken. We recommend you use CAM ID to define the location of the camera as this will make it easy for you to determine where the images were taken. Each time you move the camera you should assign a new CAM ID that defines the new location. Some examples of names that we have used are POND FIELD, VISION TRAIL, HILL TOP. The CAM ID is printed on the image and makes it easy to determine where an image was taken.

See the camera's operating manual for instructions on how to set CAM ID.

UNDERSTANDING TRANMISSION RANGE

The LINK LEVEL command is a signal strength meter you use to verify radio reception.   The range is - - - - to 99 with descriptive words to simplify the meaning.   A signal of GOOD is sufficient to assure image transmission. It is ok to have a signal of POOR, but we recommend you try to not use POOR unless at the end of a chain.
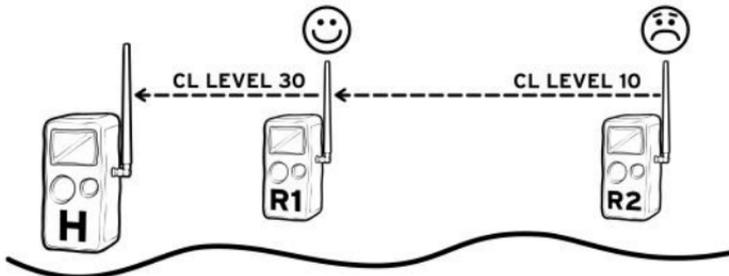
We recommend using a map based GPS or online aerial photos to help deploy cameras.   A map will allow you to check distance between cameras and observe actual arrangement of cameras.

*Note – Google My Maps is an excellent tool to manage camera location.   My Maps uses aerial photos and allows you to place pins where cameras are located and measure the distance between cameras. Use your web browser and search for **Google My Maps** for more information.*

We have successfully tested transmission to nearly 1/2 mile in heavy forest and to over 2 miles in open terrain. Trees, foliage, elevation, terrain, hills, even humidity can shorten transmission range to under 1/4 mile.   You will need to experiment and use your GPS, maps, and the LINK LEVEL to determine optimum deployment.

Note—transmission range is not predictable and can only be determined by field deploying cameras.

GETTING MORE RANGE

If you discover that your cameras are too far apart to connect you will be required to insert another camera or repeater in-between to connect these cameras.

REPEATER. Throughout this manual we mention using a Repeater to extend transmission range. There are two products which can be used as a repeater.

- Use a **CuddeLink camera** in Repeater Mode. Set LINK MODE to REPEATER

- Use a **CuddeLink SD Home** in the Repeater Mode. The advantage of this is that it is lower cost than using a camera. See CuddeLink.com for information on the CuddeLink Home Plus.
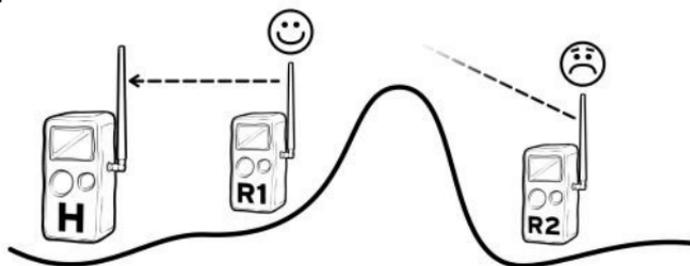

A hill can block the radio signal
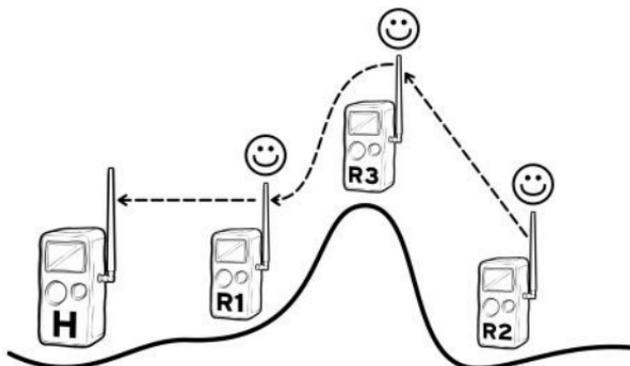
Use a repeater to extend range. A repeater is the best way to transmit over a hill or ridge.

Network Backbone. Deploy REPEATERS on your property to establish a highway-type network that your CuddeLink cameras connect to. You would place the Repeaters in strategic and permanent locations. Then you can move the remote cameras without breaking connections.
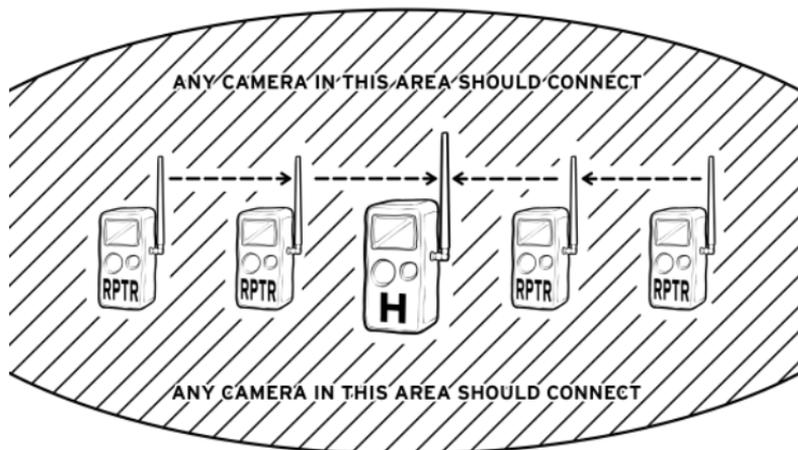

Use cameras or repeaters to create a Network Backbone. A Backbone allows cameras to be moved without breaking links to other remote cameras

MULTIPLE NETWORKS

Multiple networks can be used to localize cameras.   For example, say you have a large piece of property which would require too many cameras to connect end to end. Break the property into smaller areas and deploy a network in each area. You will be required to check multiple cameras, but far less than if you had to check all the cameras.
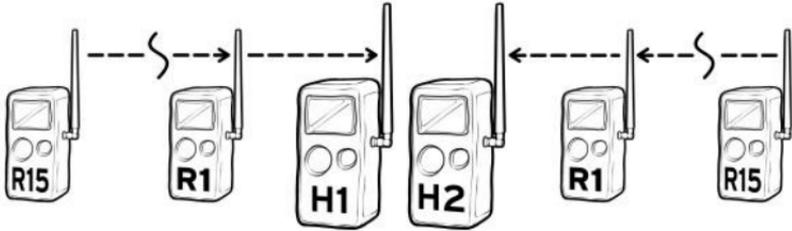

If you require more then 24 remote cameras you can deploy two networks on different channels. The Home cameras can be near each other.
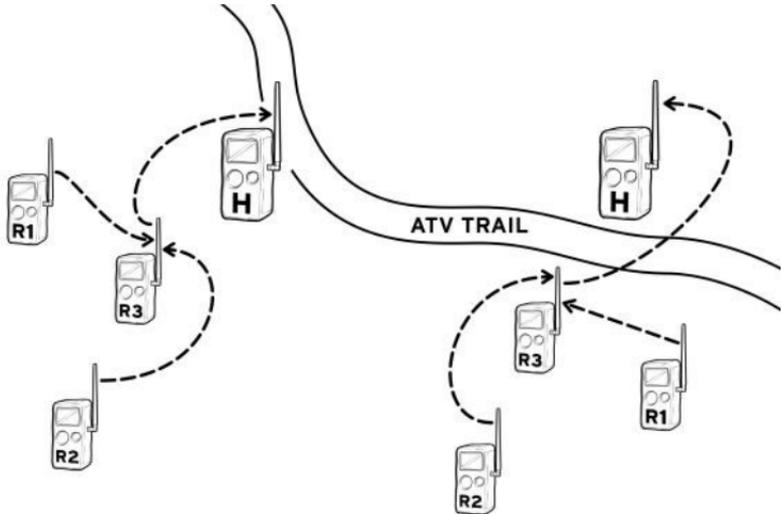
On large properties you can deploy multiple networks in various locations. For example, instead of linking distant cameras create multiple networks.

MOVING a REMOTE CAMERA

Moving a REMOTE camera can disrupt or break your network.
Think of your network as a chain of links and you can see that
removing one link may break the chain. This means you need to
take precautions when moving cameras to assure your network
remains functioning.
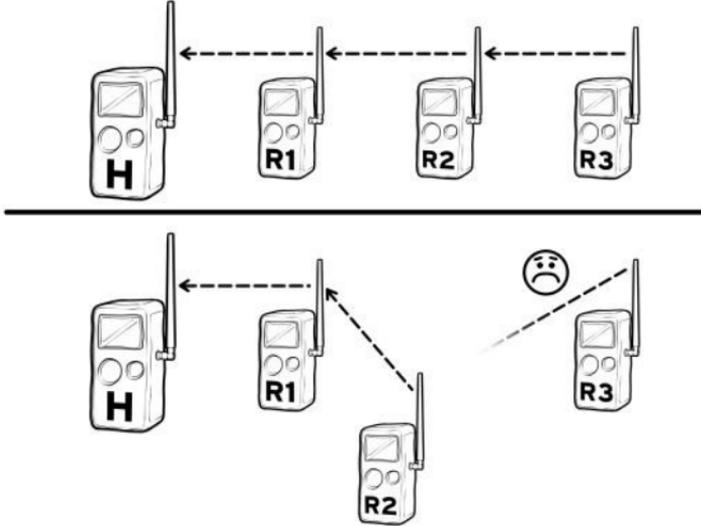
By moving remote R2 the connection to R3 was broken.

To move a camera we recommend this process:

- Disarm the camera you want to move and enable LINK LEVEL.

- Move the camera to the new location and verify LINK LEVEL is
  sufficient.

- Moving the camera may have broken links to other cameras.
  If you think a link may have been broken you must visit the
  other cameras to verify their LINK LEVEL.

NETWORK CONTROL

If you have 8 or less cameras on the network this setting is probably not important and you can leave it in the default setting.   This setting may only need to be adjusted if you are taking more than 500 images per day or your images are taking longer than desired to get Home.

This information can be confusing for first time users. You may want to use the default LINK COUNT setting for the first few weeks and then review this section after you have spent time using CuddeLink.

Background. The CuddeLink network, like all wireless networks, has limits to how much data can be transmitted in a specific amount of time. Think of the CuddeLink network as a highway where only so much traffic can pass in a given amount of time, and the more traffic on the highway the slower it moves and the longer it takes to reach a destination. Your cameras can send all the images they record, but this can create a traffic jam of images that will require more time to transfer HOME.
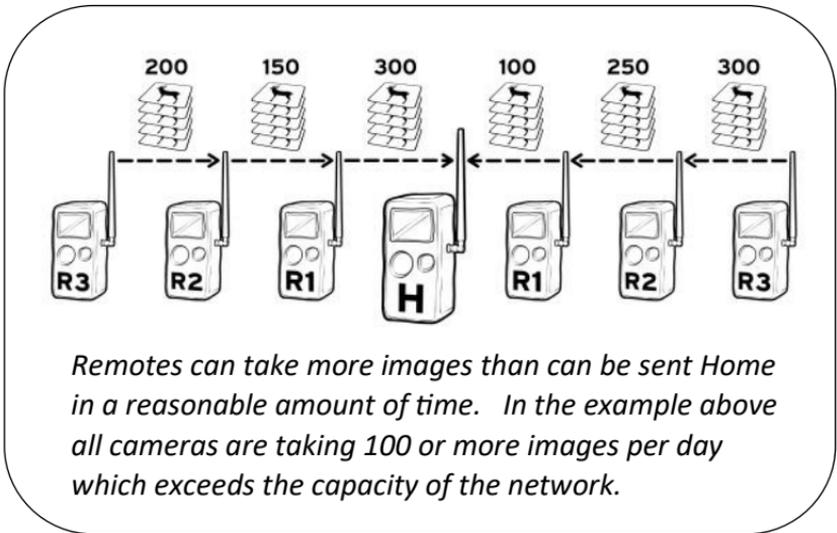
The daily network limit is about 30MB (about 1000 to 1500 images). If you deploy 5 cameras this averages to 200 images per camera per day. For 10 cameras the average is 100 images per camera per day. Actual throughput will vary with network setup and image size.

When a camera records an image the full size image is placed on the SD card, and a compressed image is placed into a transmission outbox where the image waits its turn to transmit home. Cameras can queue up 100s or even 1000s of images that will eventually be transmitted home.

However, sending all images is not necessarily best. The network of cameras may record more images then can be transmitted in a reasonable amount of time, resulting in hours or even days for an

image to get transmitted home. You will want to control how much image traffic you put on your CuddeLink network. The LINK COUNT setting controls the number of images a remote camera send home.

Note – all images the camera records are saved on the remote camera's SD card. This discussion only applies to images transmitted to the HOME camera.

Remotes can take more images than can be sent Home in a reasonable amount of time. In the example above all cameras are taking 100 or more images per day which exceeds the capacity of the network.

REMOTE TRANSMIT OUTBOX

Remote cameras place images in an **outbox** to wait to be transmitted home. If the outbox is full the oldest image is deleted to make room for the newest. The size of the outbox is set by LINK COUNT.
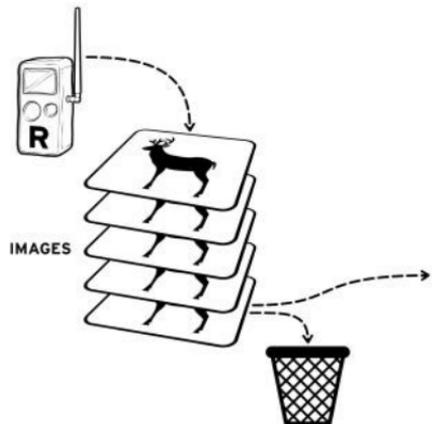
LINK COUNT (CuddeLink Count)

LINK COUNT allows you to set a maximum number of images that the camera can place in its transmit *outbox*. Think of this as a safety net to prevent overloading the network and assures you get the most recent images in a timely manner. Available settings are ALL, 25, 50, 100, 250, 500. Once this limit is reached the oldest images are removed from the outbox to make room for newer images.

For example: Say a nuisance animal stops in front of your camera and the camera records 200 images of the nuisance animal. Then the animal leaves and the camera begins capturing deer as they walk past the camera. The camera will first send all the images of the nuisance animal and the images of the deer will have to wait. Depending upon the other cameras on the network, this could require many hours before the newer images are sent home. However, if you set LINK COUNT to 50 or 100, you are assured that your camera's image outbox will not get overloaded with excessive images.

Recommendation – we recommend using the formula 1000 divided by the number of cameras. For example, if you have 10 cameras deployed, then 1000/10 = 100. Set LINK COUNT to 100 on all cameras. An advantage of this feature is that you can reduce the LINK Delay to as low as 5 seconds and not be concerned that a camera will overload the network because LINK Count will control the number of images queued for transmission and assure the most recent images are prioritized.

Don't get greedy trying to send all REMOTE images to the HOME. Doing so can overload the network and limit how fast images get Home.

CUDDELINK PROBLEM SOLVING

This section will cover the most common problems new CuddeLink users face. For more support tips visit our website.

Cameras not connecting to Home

These are the most common causes of cameras not connecting, or not staying connected.

1. Verify batteries in all cameras are good. In cold temperatures batteries can "brown out" where they work one day, but not the next. Always use high quality batteries.

2. Verify the LINK LEVEL on ALL cameras is 10 or higher, with 20 or higher being preferred. You can see the LINK LEVEL of all cameras on the CUddeLink.html status report on the Home camera's SD card. If a camera LINK LEVEL is too low you may need to move the camera or add a camera between the trouble camera and the next closest to Home.

3. Make sure all cameras are using the same version of firmware. The firmware is shown on the CuddeLink.html status report.

Images not getting home

If you feel all your Remote camera images are not getting to the Home camera.

1. Use the LINK INFO menu or the CuddeLink.html status report to verify that all cameras are connected to the Home camera.

2. Verify that the LINK COUNT is set to a reasonable setting. For example, if your network is taking many hundreds or over 1000 images per day you may be overloading the network capacity. Use LINK COUNT or CAMERA DELAY to limit how many pictures are taken.

3. Keep in mind it does take time for images to travel Home,

especially on big networks with many "links" between Home and the furthest camera.   On a busy network is can take many hours for all images to get Home. If this becomes a hurdle for you then deploying multiple networks can improve performance.

Battery runtime is not good

Radio transmitting of images requires more power than a conventional trail camera. If you plan to deploy your cameras for an extended period of time, say 5 months or more, we recommend using one of our external power sources.   Our Solar Power Bank, with sufficient sunlight, can run a camera continuously for 2 years or longer.

Image quality isn't as good as expected

Radio transmission bandwidth limitations require that CuddeLink cameras send reduced size images. Unfortunately, technology has limitations and we balanced battery life, cost, performance and ease of use to create an advanced scouting system that will let you know what is there without physically checking the cameras. Keep in mind that the full size high resolution images are always saved on the Remote camera's SD card if you need to access them.

For more help and training visit the website shown on the back cover of this booklet.

PART 3 - CAMP (CELL ACTIVATION)

If you purchased a Cuddeback Cell camera this section and section 4 will explain how to activate, setup & deploy the cell camera. You can skip sections 3 and 4 if your camera is not a cell camera.

This section explains

1. How to create a CAMP account (needed to activate cell service)

2. How to activate cellular operation on a Cuddeback cell device

3. How to setup and operate Cuddeback cell devices

A cell service plan must be purchased and activated. Visit **cuddeback.com** and click **CELL MANAGEMENT**.

DO NOT ACTIVATE CUDDELINK CELL AT A CELL PHONE STORE. DOING SO WILL PREVENT THE CAMERA FROM SENDING IMAGES TO YOU.

** Important - Verify you have cell service   **

Cuddeback's cell camera requires LTE cell service to activate and operate.   You may use your mobile phone to verify you have LTE cell service in your desired location. Note -1X and 3G service is not sufficient, the cell service must be LTE.

STEP 1 - CREATE A CAMP ACCOUNT

Before you can use your Cuddeback Cell device you must purchase a cell data plan. This is accomplished on our CAMP website (Cuddeback Account Management Portal).

Visit Cuddeback.com and click the **CELL MANAGEMENT** link.
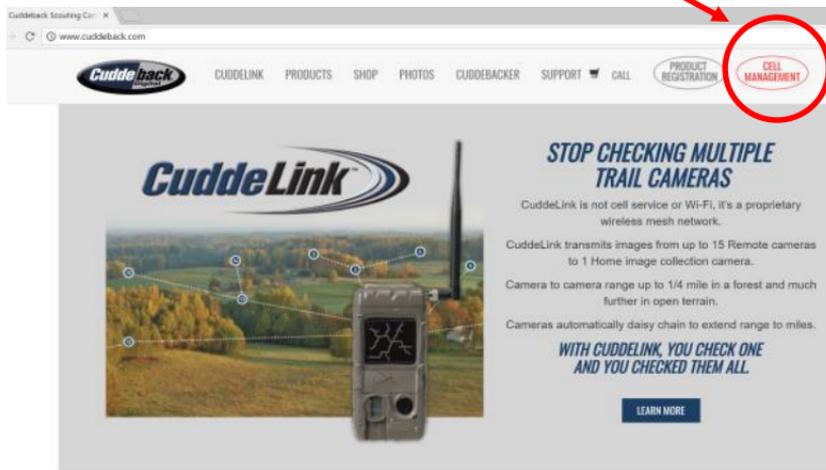

Follow the instructions to create a CAMP account. To verify your account information is accurate an email will be sent to you. Your CAMP account is not active until you receive this email. The email may be routed to your SPAM/JUNK folder.

IMPORTANT! If this email does not arrive within a few minutes check your JUNK / SPAM folder. When this email arrives click the blue ACTIVATE button to enable your account. Your CAMP account is not active until you click the ACTIVATE button.

NOTE - we continuously improve CAMP so the following pages may differ from the actual CAMP website.

STEP 2 - ADD A DEVICE

Before you can use your cell camera you must add the device to CAMP,
select a service plan, and activate the cellular service. After you create
your CAMP account click the ADD YOUR FIRST DEVICE box and follow
the instructions.
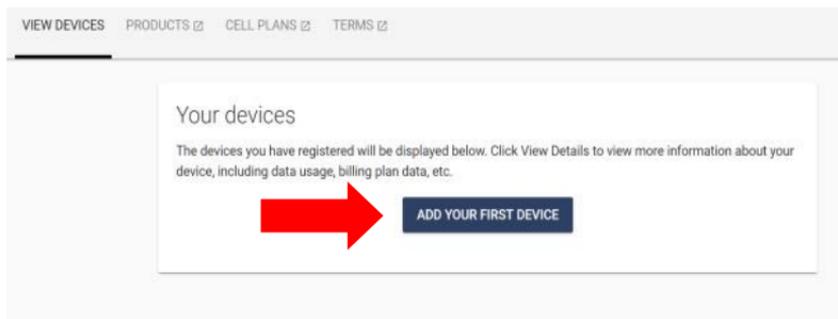
Refer to diagram on next page. There are 4 fields you need to enter:

DEVICE NICKNAME is any name you want to give the device. This can be handy
if you have more than 1 device. For example, Buffalo Country, North Property,
or Big Buck Stand.

DEVICE MODEL is the type of device you have. Select from the list.

ICCID and **IMEI** are the cell modems identification number. Click the link for
instructions on how to find the numbers. Enter them here. *NOTE—these
numbers must be entered correctly or the device will not function.*

EMAIL ADDRESSES are the email address where you want images sent. You
must enter at least one, and you can enter up to 10. You can also text images to
a cell phone. See STEP 3 for details.

> **If you are using a CuddeLink system you only need
> to add the CELL camera. You do not add the
> Remotes to CAMP.**

STEP 2 - ADD A DEVICE continued...

DEVICE SETUP FIELDS

Device Nickname

If desired, create a nickname for this device. This can be any
name you choose to help you distinguish this device from other
devices you have deployed.

Device Model (required)

G-Series Cell Camera

ICCID (required)

Click here for instructions on where to find this number

IMEI (required)

Click here for instructions on where to find this number

Relay Email Addresses

✉ N/A

STEP 3 - EMAIL OVERVIEW

Email Account Recommendations

1. We recommend you use a <u>dedicated</u> email address for CuddeLink images. This will separate your Cuddeback images from your normal emails.

2. We found GMAIL to be ideal for receiving CuddeLink cell images. You can setup a free Gmail account by visiting gmail.com.

3. On smart phones we recommend using the GMAIL app as your email client. Download this app from your smart phone's store.

4. Always check your SPAM or JUNK folder if you are not receiving CuddeLink emails.

5. Emails will be sent from **noreply@cuddelink.com**.   You may need to whitelist this email to assure they do not go into your spam folder.   For help you should search "***whitelist <your email provider>***" For example, for Gmail you search "***whitelist gmail***"

6. See www.cuddeback.com/learn/cuddelink for videos on how to setup Gmail for CuddeLink use.

We do not provide support for email providers. If you need assistance please visit www.cuddeback.com/learn/cuddelink *and view the video **Setup and Using Gmail.***

Note - While we recommend Gmail, Cuddeback is not affiliated with nor do we profit from Gmail.

STEP 4 - EMAIL / TEXT SETUP

You can enter up to 10 email and text phone destinations. This allows you to send images to your email and text them to your phone. With up to 10 destination you can send images to your family and hunting buddies. Sending images to your family is a great way to include them in your hunting experience.

To enter an email click the **E-Mail** option, enter a valid email address, then click add. Repeat the process to add additional email addresses.

To add a cell phone number select **Text to Phone** and enter the cell phone number & select the cell phone provider from the drop down list.

You can enter any mix of email and phone numbers.

Relay Email Addresses (required)

◉ E-mail   ○ Text to Phone

[   ] Add

Relay Email Addresses (required)

○ E-mail   ◉ Text to Phone

[   ] [▼] Add

Adding multiple email and phone numbers does not use more of your cell data and does not increase your cost.

STEP 5 - ACTIVATE THE DEVICE

You may want to refer to **Part 4 - Cell User Interface** to familiarize yourself with how to execute the following command.

The final step to activate the cell service is to connect the Cuddeback cell device to the cellular network.

Use the camera's menu command to execute the **CELL TEST**. You may need to run this test multiple times before the camera connects to the cell network.

1. Make sure antennas and new batteries are installed on the device.

2. Press **MODE** until **COMMANDS** is displayed.

3. Press **MORE** until **CELL MENU** is displayed.

4. Press **UP** twice to **CONFIRM**.

5. Press **MORE** until **CELL TEST** is displayed.

6. Press **UP** twice to send a test email that will activate the cellular service and send an email to the email addresses you have programmed on the CAMP website.   The test will complete within a few minutes and SUCCESS or FAILURE will be displayed. If SUCCESS is displayed your camera is activated and ready for use.

    See next page if FAILURE is displayed.

STEP 5 - ACTIVATE THE DEVICE FAILED

If the CELL TEST returned FAILURE your device may not be activated. Please follow these steps.

1. Run the CELL TEST 1 or 2 more times to see if it succeeds. In some cases it does require a few attempts for the camera to sync up with the cellular service activation system.

2. If you still get a failure, verify you have sufficient cell service. Service must be LTE (1x and 3G services do not work).

3. Relocate the device to an area with very strong LTE service and run the CELL TEST again.

4. Check your account on the CAMP website and see if the device status is listed as ACTIVE or PENDING ACTIVATION.   If the device state is active then the device is activated, but the LTE signal is not sufficient to send emails.

5. If these steps fail call or email our customer support. Visit Cuddeback.com and click support for service numbers and email.

Cuddeback offers 2 styles of cell trail cameras:

Cuddeback Cell camera is a traditional trail camera with cell connectivity. It always operates in **Standalone Cell Mode**.

CuddeLink Cell cameras are CuddeLink enabled cameras that are generally used as the Home in a CuddeLink camera network. These camera have 2 cell modes.   The cell mode is automatically set by the camera based upon how you use the camera. For most users the camera will be used in **CuddeLink Cell Mode** (when LINK MODE = HOME). However, if you elect to use a CuddeLink camera without using CuddeLink Remote cameras you can set LINK MODE = OFF.
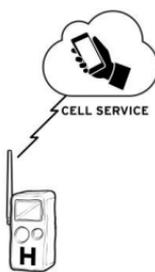
There is only 1 difference between CuddeLink Cell Mode and Standalone Mode:

> **Standalone Cell Mode** allows you to select the image size you want to send. You can select small, 1MP, or 5MP size images.

> **CuddeLink Cell Mode** you can only send small images.
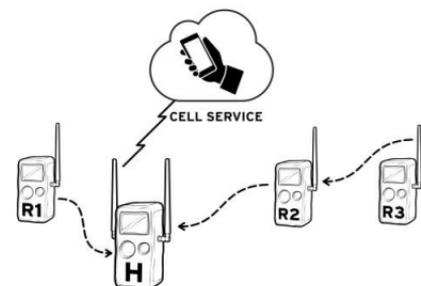
CuddeLink Cell Mode   **Standalone Cell Mode**

CELL SETTINGS

Cuddeback's cell cameras have various settings that control the sending of images. This section explains those features.

On the camera: press MODE until COMMANDS is displayed. Then press MORE until CELL MENU is displayed. Below is a list of menu items.

| SETTING	DESCRIPTION
CELL MODE	ON/OFF - turns the cell radio on or off
CELL RATE	HOURLY, BATCH 1, BATCH 5... BATCH 30
*CELL IMAGE	Select image size* (SMALL, 1MP, 5MP)
CELL TEST	Sends a test email to the email address programmed on the cell management website
CELL ID	Displays the cell modem ID numbers
CELL CLEAR	Clears the image queue

*CELL IMAGE will not appear if CuddeLink Mode is enabled. This setting only applies to cameras used in Standalone Cell Mode.

Overview of Cell Setup

To enable cell service follow these steps:

1. Purchase a CuddeLink cell plan by visiting Cuddeback.com and clicking the **CELL MANAGEMENT** link in the upper right corner. (We refer to the cell management website as CAMP, or Cuddeback Account Management Portal).

2. Setup your destination email address on CAMP. These are the email addresses you want images sent to.

3. Use **CELL MODE** to turn cell mode ON.

4. Set **CELL RATE** as desired.

5. Use **CELL TEST** to verify that you can receive an email from the camera.

To access the **CELL MENU** press MODE until **COMMANDS** is selected, then press MORE until **CELLMENU** appears, then press UP.
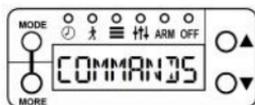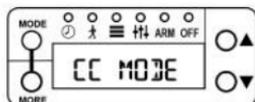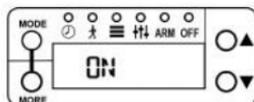

Press MODE then press MORE

CELL MODE - Enable or Disable Cell Mode
Set **CELL MODE** to ON by pressing UP as needed, then press MORE to continue.


Press UP or DOWN to turn cell mode on

CELL RATE - Set Image Send Rate !! IMPORTANT !!

You can control how often emails are sent to you. You will optimize your data usage and battery life if you limit how often emails are sent. We recommend using a setting that sends images once or twice per day.

Press **MORE** until **CELL RATE** is displayed. Press UP to view the options: BATCH 1, 5, 10... 30.   This is the number of images that are queued and once this number is reached the images are emailed to the user.   You can also select HOURS to send images on a time basis.
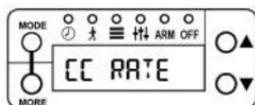
Press UP to set the queue size

CELL TEST - Send a test email

Press **MORE** until **CELL TEST** is displayed. Press UP to send the test email. This will send an email to the email addresses you have programmed on the CAMP website.   Please allow up to 10 minutes for the email to arrive.   If you do not receive the email you must 1) verify you have emails properly set in CAMP, 2) check your email spam/junk folder and 3) use your cell phone to verify you have cell reception in the area.

SUCCESS or FAILURE will be displayed after the test finishes

CELL ID - Read Cell Modem ID Numbers

Press **MORE** until **CELL ID** is displayed. Press UP twice to run this command. After 1 or 2 minutes the cell modem ID and SIM card numbers will be displayed. Press UP consecutive times to view these numbers. These numbers are only needed when activating cell service. You may have to run this command multiple times to

retrieve the numbers. Refer to activation website for details. (M refers to the modem IMEI number; and C refers to the SIM cards ICCID number.)

CELL IMAGE - sets the size of the image emailed
Standalone Cell Mode only! Select image size to send via LTE:

• 5MP uses 1 MB to 1.5 MB of data per image

• 1MP images use about 250 KB of data per image

• SMALL use 25KB to 75KB of data per image
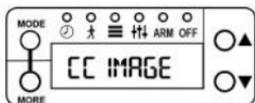
 Select SMALL, 1MP, or 5MP

STATUS UPDATE EMAIL
Every day the cell camera will send a status report. By default the status report is sent between the hours of 4 AM and 6 AM. When the status report is sent any images in queue will also be sent to assure you get your images at least once per day. You can change the time the status report is sent on the CAMP website.

CAMP SETTINGS
You can change many camera settings from the CAMP website. Some of the things you can change are:

      • Camera settings, such as delay, time lapse, flash

      • CuddeLink settings, such as Camera ID & Location Number

      • Turn Remotes on & off

      • Plus more

Login to your CAMP portal for more information.

PART 5 - HELP

If you suspect your camera is not functioning correctly follow these steps. Press MODE until TESTS is displayed.   Press MORE to view the available test features. Press UP to run a test.

WALK - (Detector Test) If you suspect the camera is not detecting animals place the camera in WALK.   Walk in front of the camera. The red LED will illuminate if it detects you.

RESET - Press UP to reset the camera to factory defaults. It is good practice to reset a camera if you think the camera is not functioning correctly.

BATTERY LEVEL - Displays the *voltage level* of the batteries. If LOW or DEAD is displayed you should replace the batteries. Press UP to display Battery Images (BI) and Battery Days (BD).

BATTERY LOAD - Tests the *current capacity* of the battery. Press UP to run the test which will display the % of *current capacity* in the battery. This test is more accurate than the Battery Level voltage test. If the reading is below 50% you should replace the batteries.

FILTER - Activates the camera's filter mover to toggle from night to day positions. If your night images are not correct this test is recommended.

IR - Activates the camera's illumination LEDs. Observe the LEDs to check if they illuminated. For Black Flash® cameras you will need to use a cell phone camera to see the LEDs.

SD CARD - Verifies the camera can read your SD card. If this test fails replace the SD card.

IMAGE—Records an image and saves it to the SD card. Use your image viewer (computer or viewer) to check the image.

VIDEO - Records a video and saves it to the SD card. Use your video viewer (computer or viewer) to check the video.

STROBE - Tests the strobe on a white flash camera. The display will show BUSY for 30 seconds while the strobe charges. Then a 5 second count down will be displayed. When the count reaches 0 the strobe will fire. <u>CAUTION—this light is very bright</u>.

COMMON PROBLEMS AND SOLUTIONS

No Images.   If your camera is not taking images verify that the camera is set to about body height of the target animal & is properly aimed. For best performance we recommend positioning the camera within 10 to 25 feet from where animals are expected.

Not Working. If the camera is not functioning replace the batteries with brand-new-from-the-store batteries. Over 50% of phone calls we get are resolved with new batteries.
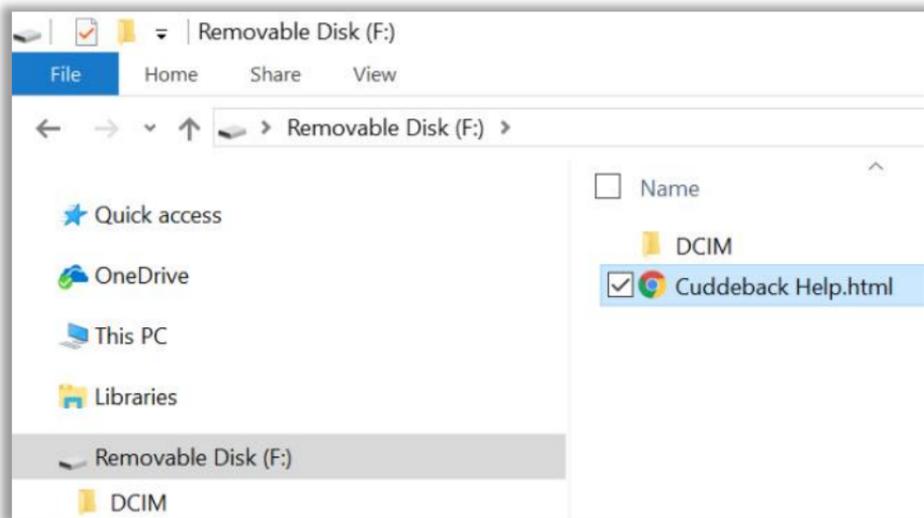
Not Detecting. If your camera is not detecting animals use the WALK TEST to verify the motion sensor is working.

Poor Illumination. If the night images are dark or poor quality you can move the camera closer to the animals, and verify BATTERY LOAD is 50% or higher. See previous page for instructions on battery testing.

GETTING HELP

The easiest way to get help with your Cuddeback camera is to insert the SD card used in the Cuddeback camera into your computer.   In the root folder is a file named Cuddeback Help.html. Click this file and your web browser will display a help file. This file will direct you to product manuals, answers to common questions, and view service options.

If the SD card is not available visit **cuddeback.com** and click **Support** or go to **cuddeback.com/support** for up to date service options and phone numbers.

Cuddeback Digital

For support scan

QR code with

your cell phone

https://www.cuddeback.com/support

www.cuddeback.com