

WIRELESS NESTBOX INSPECTION CAMERA - 6B

USER MANUAL – January 2025

MOUNTING the CAMERA: -



Wireless Nestbox Inspection Camera screws onto painter's extension poles with 3/4" X 5_{TPI} male thread. I can also make them to suit **euro thread** found on the longer extension poles.

MOUNTING the BATTERY POUCH:

Using cable ties secure the Battery Pouch just below the threaded section near the top of your extension pole. Pouch can remain permanently on the pole. Extra batteries & pouches are available to fit out multiple poles & provide extended run-time.

POWERING UP the CAMERA:

Insert a charged *Smart Battery* into battery pouch. Plug camera's power cable into a USB socket on the top of the Smart Battery. Press **power button** on the side of the Smart Battery, the camera's illuminator will come **ON** and the camera will now be transmitting live video. Four blue leds on *Smart Battery* indicate its state of charge. Close the Velcro flap on the pouch to secure the battery & protect the USB connector.

To Turn the Camera OFF – Hold down the Smart Battery **power button** till the camera illuminator goes **OFF** or unplug the camera's USB power cable from the Smart Battery.

SMART BATTERY - charging procedure:

Full size **USB** sockets are **Power OUT only** and **CAN NOT** be used for charging.



- *Smart Battery's micro usb* socket is for charging
- Use a 5 volt/ 2-amp μ USB phone charger
- Follow safe charging procedures
- Charging is automatic; blue leds show charge status
- When fully Charged all blue 4 leds will remain lit
- Typical charge time is 3~4 hours
- Camera run - time < 7 hours on a full charge

Charge battery every 3 months - do not store for extended periods in a discharged state.

NO WARRANTY APPLIES FOR BATTERIES - CHARGERS or DAMAGE RESULTING FROM BATTERY FAILURE or INGRESS of WATER. CAMERA IS NOT SUBMERSIBLE

LCD VIEWING MONITOR OPTIONS:



Our Nest Box Inspection Camera system may include either the **LCD-18 Monitor** or the smaller **LCD-12 Monitor**. Both Monitors incorporate a rechargeable internal battery & a suitable charger is included.

- **LCD-18** charger output is 12 volt with DC plug
 - **LCD-12** charger output is 5 volt with mini USB plug
- Chargers are specific to their monitor type, they are not interchangeable.**

The **LCD-18 Monitor** has a larger viewing screen making it ideal for education & group viewings, it records HD video only & does **NOT** have **date/ time imprint**.

The smaller **LCD-12 Monitor** is ideal & recommended for Landcare & Professional surveys as it records photos or video **with a date/ time imprint**.

LCD-12 Video Monitor

On powering up, the LCD-12 Monitor searches for the NestBox Camera's signal. We recommend turning ON your Nestbox Inspection Camera first, followed by the LCD-12 Monitor which will then automatically lock onto the Camera's video transmission.



Press the central release button on the Sun Shade and carefully fold it open.

To turn **ON** the LCD-12 Monitor: **hold down** button **6** - release it when the LCD screen lights up, normally this takes about 4~ 6 seconds.

Live video from the Nestbox Inspection Camera will be visible on the monitors screen, there is no audio.

Various information overlays are superimposed on the video picture.

In the top left of screen  camera icon denotes that monitor is in record **photo** mode. The text **MANU B8** tells you the monitor is tuned to frequency **B8**. Date and time information is located on the top right of screen. Across the bottom of the screen is **D1** & loop recording icon  **SD** card icon  confirms that the SD card is installed & the xxxxMB numerical display shows the free space available on the SD card. The battery icon displays the Monitor's internal battery state of charge .

PROBLEMS:

LCD-12 Monitor – NO SIGNAL MESSAGE

If the LCD-12 Monitor's screen shows static with no picture & a **No Signal** message flashes intermittently on the screen there are **two** possible causes.

1. Your **Nestbox Camera is not powered** up so it is not transmitting a video signal for the LCD-12 monitor to receive

Solution:

Check that the Nest Box Camera is **ON**, its LED illuminator should be highly visible. Check that the **Smart Battery** shows state of charge at least 2 leds. Smart Battery will automatically shut OFF when it becomes discharged.



2. The LCD-12 monitor has been accidentally re-tuned to the wrong frequency

Solution:

Check the top left screen, the frequency indicator should display **B8**. If not use button **2** to reset the frequency to **B8**. The live video from the Inspection Camera will become visible on the screen once **B8** frequency has been selected.

CHANGING the RECORD MODE

Default setting is take **Photos**. To change to record **Video** mode, slide the **Function** switch, on the side of the monitor, **UP** to the **Video** position. The camera icon in top left of the LCD display screen will change to a *movie camera icon*.

CAPTURE A PHOTO or RECORD VIDEO: -

Press & release the **Photo** button **5** to capture a photo. In **Video** mode - recording starts when the **Photo** button is pressed and **REC** & a Timer is displayed the screen. To **STOP** recording & save the video file press  button **4**.

POWER OFF PROCEDURE: -

LCD-12 hold down **POWER** button **6**, release it when the screen goes black. Turn **OFF** Camera by pressing the Smart Battery's Power button or unplugging the camera's USB power cable from the Smart battery pack.

Do not leave the Inspection Camera powered ON unnecessarily as it may overheat & damage the image sensor or LED illuminator.

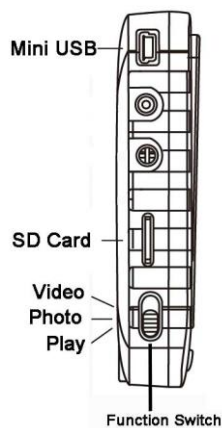
LCD-12 Monitor – CHARGING PROCEDURE



Turn **OFF** the LCD Monitor connect charger's **mini USB** output cable into the **mini USB** socket located on the side of the LCD-12 monitor.

- Switch on the charger
-
- Charge for a minimum of 4 hours

LCD-12 Monitor – DOWNLOADING PICTURES/ VIDEOS



Connect the LCD-12 to your PC using a USB-to-USB mini data cable. Turn **ON** the monitor, the “**USB Connect**” screen will be visible. Your PC will recognise the LCD-12 as an external “**Removable Disk**” storage device.

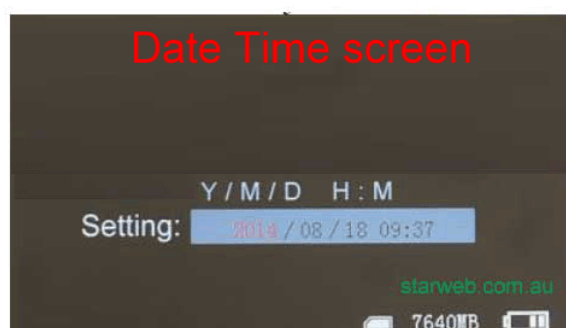
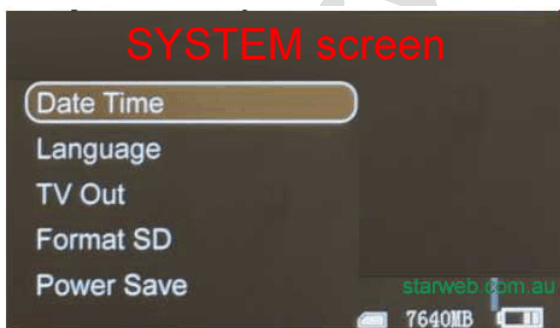
Open **File Explorer** on your PC, click on “**Removable Disk**” then open the folder “**DCIM**”. The **PHOTO** and **RECORD** folders store the images & videos. File naming format is: year-month-day-time. Click on a file to preview it. Use **Copy/ Paste** commands to copy wanted files to your PC. Do not rename the files on the Monitor’s “**Removable Disk**”.

DO NOT REMOVE THE μ SD CARD FROM THE LCD-12 MONITOR

LCD-12 Monitor – Change Date & Time

Function switch (located on the side of the Monitor) must be in the **PHOTO** position. Hold down the **POWER** button (6), release it when the LCD screen comes **ON** (about 4~6 seconds).

Press button 3, the **System screen** appears, press button 5 with **Date Time** highlighted press button 5 again to access the Date Time screen.



The display format is – Year – Month – Date – Hour – Minutes - Seconds. The editable option will be highlighted in red. Use buttons 1 & 2 to increase or decrease the count then press button 5 to accept the change & move to the next option. Repeat the procedure for all the options.

Press button 4 once to save the changes & then twice more to return to the home screen.

LCD-18 Video Monitor



Turn **ON** your Nestbox Inspection Camera. With both antennas installed carefully fold open the sun shade, (*replacement shades are not available*). Hold down the **Menu/ Power** button release it when the LCD screen comes ON. Live video transmitted from the inspection camera should be visible with channel **CH - B-8** shown in top left of screen.

If the Monitor displays static and a channel other than **CH- B-8** is displayed then you will need to change channels. Press the **Band** button to select band **B**; press the **CH+** button to select channel **8**, camera's video should now be visible.

Record Video:

Short press **REC** button, starts video recording; a red dot flashes on the LCD screen during recording, press **REC** again to stop video recording, red dot will disappear

LCD-18 Monitor CHARGING PROCEDURE



LCD-18 Charger

With the Monitor **OFF**, plug the charger cable into **DC/12V** socket on the monitor's side. Switch ON the charger at power point, green led will come ON. If not check charger's mains cable connection.

- Monitor Charge indicator Led is RED during charging
- Monitor Charge indicator Led goes GREEN when charged

LCD Monitors are NOT WATERPROOF avoid water damage.

Led illuminator Dull or Not Working



led illuminator

The LED illuminator has a life expectancy of up to 50,000 hours, they are very reliable. If your LED illuminator becomes dull and ineffective or fails to light up at all then it requires service.

We will replace the LED Illuminator module on any camera less than 5 years old free of CHARGE.

Contact sales@starweb.com.au or phone 0400755431
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