

WIRELESS NESTBOX INSPECTION CAMERA USER MANUAL – July 2022

EXTENSION POLES:-



The Nestbox Inspection Camera screws onto extension poles that have a 3/4" x 5TPI male thread. For heights up to **5 metres** this Bunnings [extension pole](#) is suitable.

To reach heights of **10 metres** and greater this [carbon fibre 10 metre](#) extension pole is recommended. You will need to send us the euro threaded cone that is supplied with this pole & we will modify it to fit our Nest Box Camera mount for an extra \$45.

MOUNT the BATTERY POUCH:

Secure the nylon battery pouch just below the threaded section near the top of your extension pole using cable ties. The battery pouch can remain permanently mounted on the pole. Spare batteries & pouches are available to provide extended camera run-time.

POWERING UP the CAMERA:

Fit charged *Smart Battery* into the battery pouch with label/ led indicators facing out. Plug Camera's Power Cable into one of the battery's USB sockets. Press the **ON/OFF** button located on the side of the Smart Battery. Camera will power up, its bright white led illuminator will be visible and the Camera will be transmitting live video. The four blue leds on the Smart Battery indicate the battery's state of charge.

Hold down the **ON/OFF** button until the Camera turns **OFF**.

Close the Velcro flap on the pouch to secure the battery & protect the USB connector.

SMART BATTERY - charging procedure:

Full size **USB** sockets are **Power OUT** only and must not to be used for charging.



- Use a **micro USB** 5 volt/ 2A phone charger
- Plug charger's cable into the **micro USB** socket labelled "IN"
- Charging is automatic; blue leds indicate battery charge state
- When fully Charged the 4 leds will remain lit
- Typical charge time is 3~4 hours
- Camera run - time < 7 hours on a fully charged *Smart Battery*

Charge every 3 months do not store for extended periods in a fully 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 have an internal rechargeable battery, suitable chargers are included.

- **LCD-18** charger has 12 volt DC plug cable
 - **LCD-12** charger has mini USB plug volt/2A output
- Chargers are specific to their monitor type, they are not interchangeable.**

The larger **LCD-18 Monitor** has a larger viewing screen making it ideal for education & group viewings, it records HD video **without date/ time imprint.**

The smaller **LCD-12 Monitor** is ideal for professional surveys as it records photos/ video **with a date/ time imprint.**

LCD-12 Video Monitor

Upon powering up, the LCD-12 Monitor searches for a nearby wireless transmission. It is recommended that you turn ON your Nestbox Inspection Camera before turning ON the LCD-12 Monitor as this allows the Monitor to lock onto the Camera's transmission.






Press the release button and carefully fold open the Sun Shade.

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 LCD-12 monitor is in record **photo** mode. The text **MANU** indicates manual mode. **B8** tells you what frequency the monitor is currently tuned to. Date and time information is located on the top right of screen. Across the bottom of the screen is a loop recording icon, an SD card icon  & numerical display of the free space available on the SD card. The battery icon displays the approximate state of charge .

LCD-12 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 is bright. Check that the **Smart Battery** shows state of charge at least 2 leds. Smart Battery will automatically shut OFF when it becomes discharged. **Recharge or replace Smart Battery** if necessary.

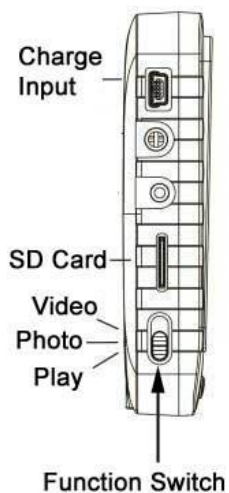


2. The LCD-12 monitor has been accidentally re-tuned to the wrong frequency

Solution:

Check the top left screen, the frequency indicator should display **B8**. If not use buttons **1** & **2** to change the frequency to **B8**. The live video from the Inspection Camera should now be visible on the screen.

RECORD PHOTOS or VIDEO



Default setting is capture **Photos**. To alter this slide the **Function** switch, on the side of the monitor, **UP** to the **Video** position. Camera icon in top left of screen will be replaced by a movie camera icon.

CAPTURE A PHOTO or RECORD VIDEO:-

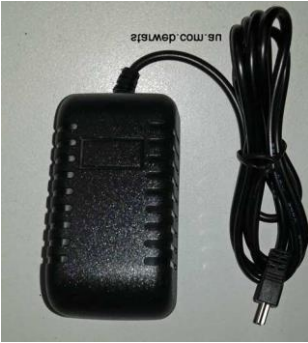
Press & release the **Photo** button **5** to capture a photo. In **Video** mode - recording starts when the Photo button is pressed & is paused when the button is pressed again.

POWER OFF PROCEDURE:-

Hold down the **POWER** button (6), when the "**Good Bye**" message appears on the screen release the button. Turn OFF camera by unplugging the camera's USB power cable from the top of the Smart battery pack or press the button on the Smart battery twice, white leds will go OFF.

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 before charging

Using the charger supplied, connect its **mini USB** output cable into the mini USB **Charge Input** socket located on the side of the LCD-12 monitor.

- Switch on the charger
- Maximum Charge time is 3~4 hours

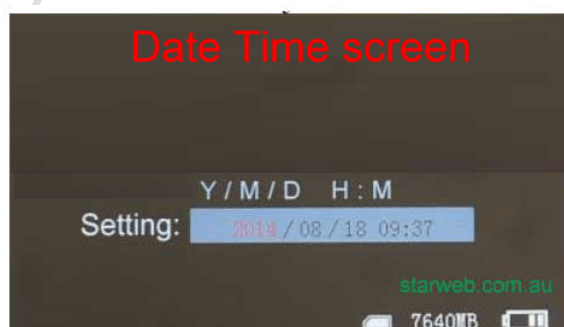
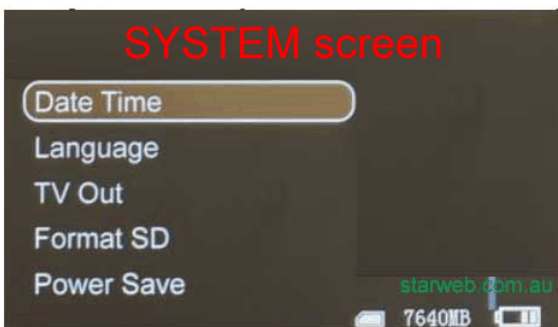
LCD-12 Monitor - DOWNLOAD PICTURES/ VIDEOS

With the LCD-12 Monitor turned **OFF** eject the micro SD card, use a card reader to transfer required image files to your PC. Do not rename the files on the micro SD card.

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 (5), 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.



The display format is – Year – Month – Date – Hour – Minutes. 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 **Escape** button 4 repeatedly to save the changes & exit menu options.

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



Turn **OFF** the LCD Monitor. Plug the charger cable into the socket labelled **DC/+12V** located on the side of the LCD-18 Monitor. Switch ON the charger at power point.

- Monitor's Charge indicator Led is red during charging
- Monitor Charge indicator Led goes green when charged

LCD Monitor is NOT WATERPROOF do not use it in the rain.

Led illuminator Dull or Not Working



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

Website: www.starweb.com.au