



CYBERSENSE MANUAL

Buff
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The CyberSense can be used to control the output of both the flash and modeling lamp on up to four Paul C. Buff, Inc. flash units. Compatible with all previous / current CyberSync™ remotes.

RADIO RANGE Up to 300 ft. (when on a flat and level terrain with no obstructions)

RADIO OPERATING FREQUENCY

2.4GHz

BATTERY TYPE

2x AAA Alkaline or 2x NiMH. *Install prior to use. Do NOT mix-and-match.

SYNC VOLTAGE

<= 4VDC

SYNC PORT

1/8" (3.5mm) mono jack

NOTE: The Sync Port can be used to connect the CyberSense to your camera's PC-sync terminal if you do not have a CST2.

REQUIRED EQUIPMENT

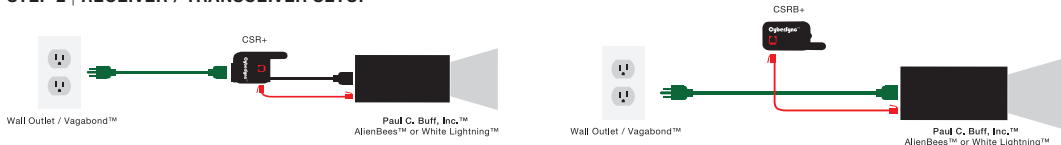
- AlienBees™ and White Lightning™ flash units require CyberSync™ Plus Model Receivers (CSR+ or CSRB+)
- DigiBee and Einstein™ flash units require CyberSync™ Tranceiver (CSXCV)
- CyberSync™ Trigger Transmitter 2 (CST2) [Not required but highly suggested.]

INITIAL SETUP TRANSMITTER and RECEIVER / TRANSCEIVER

STEP 1 | TRANSMITTER

Set the FREQUENCY dial to the desired frequency number on the TRANSMITTER. Slide the transmitter into the camera's hot shoe.

STEP 2 | RECEIVER / TRANSCEIVER SETUP



LEGEND



RJ-11 Telephone-style Cord



AC Power Cable

AlienBees™ / White Lightning™

First, connect the CyberSync™ Plus model receiver to the flash unit (as shown in above diagram). Next, set the sliders located on the back panel of the flash unit to FULL POWER, making sure all modeling light buttons are pressed in. Then, set the FREQUENCY dial to the same number that the transmitter is set to. Finally, set each receiver to it's own individual channel (ONLY using channels 1 thru 4) on the CHANNEL dial.

INITIAL SETUP TRANSMITTER and RECEIVER / TRANSCEIVER

DigiBee / Einstein™

First, insert the transceiver into the transceiver receptacle located on the top of the DigiBee™ or Einstein™. Next, turn on the flash unit(s).

For the **DigiBee**, press the FREQUENCY button located on the control panel on the back on the unit. Then, choose the frequency that the transmitter is set to by using the up and down arrows on the back of the unit. Finally, set each flash unit to their own individual channel (ONLY using channels 1 thru 4) by pressing the CHANNEL button and using the arrows to select the channel.

For the **Einstein™**, use the function button located on the back control panel and scroll through the fields on the LCD screen until the channel ("CH") field is highlighted blue. Use the arrows to select the channel (ONLY using channels 1 thru 4). Press the function button again to highlight FREQ on the back control panel. Once highlighted, use the arrows to select the frequency.

NOTE: Make sure that all components are set to the SAME FREQUENCY but each flash unit is set to its own INDIVIDUAL CHANNEL (ONLY using channels 1 thru 4).



CyberSync™ Trigger Transmitter 2 (CST2)



CyberSync™ Plus Model Receivers
(CSR+ or CSRB+)

For use with: AlienBees™ and White Lightning™



CyberSync™ Tranceiver (CSXC)
For use with: DigiBee and Einstein™

INITIAL SETUP SETTING THE FREQUENCY

Turn on the CyberSense remote by pressing ANY button.

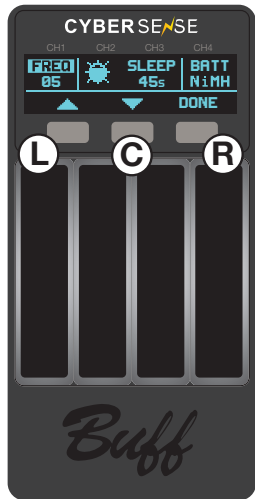
Press the (R) button to access the **SETUP** mode.

While in the **SETUP** mode, press the (L) button to enter the **FREQUENCY** (FREQ) mode.

Match the **FREQUENCY** number that the transmitter and transceiver / receiver are set to by using the UP (L) or DOWN (C) buttons.

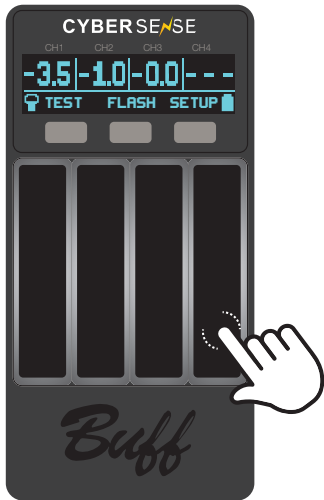
Once your **FREQUENCY** is set, press in on the (R) button (DONE) to complete your **FREQUENCY** setup.

The CyberSense will then revert back to the either the MODEL or FLASH ADJUST screen.



*The sliders have no function when the CyberSense is in this mode.

CONNECTING TO FLASH UNITS



The CyberSense is equipped to control up to four different flash units using the touch sensitive sliders.

Each slider corresponds with the channel label (CH1, CH2, CH3, CH4) that is located above the CyberSense digital display.

TOUCH AND HOLD the slider, for approx. 2 sec., that corresponds to the channel that the flash unit receiver/transceiver is set.

Once the CyberSense establishes communication with the flash unit that is attempting to be added, the current flash setting for that flash unit will appear in the digital display associated with that channel.

*If the CyberSense cannot communicate with a flash unit on that channel, the display dashes (---) will blink three times. If this happens, verify the frequency and distance the CyberSense is from the flash unit.

Repeat the above steps until all flash units are added.

CHANGING THE MODELING MODE





MODELING MODE

Press the (C) button to access the MODEL mode.

MODEL will appear in the digital display above the (C) button.

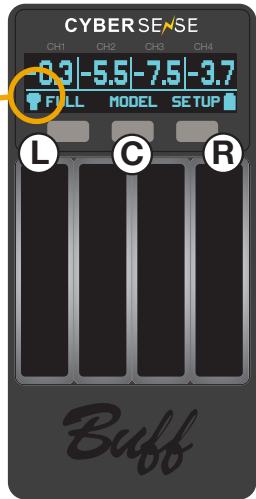
Press the (L) button to toggle between the MODEL settings.

MODEL SETTINGS

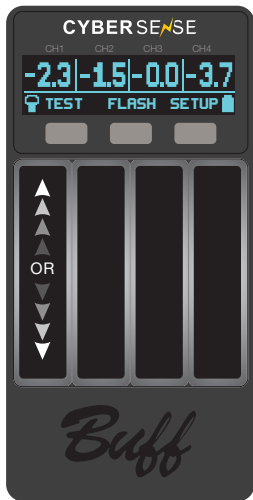
-  **TRACK** Modeling lights will brighten or dim as the flash output is adjusted up or down.
-  **ADJ** Modeling light output can be adjusted independently from the flash output.
-  **FULL** Modeling light remains at full power, regardless of flash output.
-  **OFF** Modeling light shuts off.

The model mode chosen affects ALL CHANNELS on the CyberSense.
Example: CH1 cannot be set to TRACK and CH2 cannot stay on FULL POWER.

NOTE: The (C) button functions as a toggle between the FLASH and MODEL modes.



ADJUSTING FLASH OUTPUTS / STANDBY MODE



ADJUSTING FLASH OUTPUTS IN THE FLASH MODE

Using the **TOUCH SLIDER** associated with the channel that the flash unit is set to, **SLIDE UP** to **INCREASE** the output, and **SLIDE DOWN** to **DECREASE** the output.

EXAMPLE

Einstein™ with 9 f-stop variability flash output breakdown indication:

*Sliders adjust in 1/10 of a stop.

F-STOP	OUTPUT EQUIVALENT
FULL	0.0
1/2	-1.0
1/4	-2.0
1/8	-3.0
1/16	-4.0
1/32	-5.0
1/64	-6.0
1/128	-7.0
1/256	-8.0

STANDBY MODE

To put a particular flash unit in **STANDBY**, simply **DOUBLE-TAP** the touch slider for that particular channel. The digital display will show **OFF** under the channel icon for that particular flash. To turn the flash unit back **ON**, simply **DOUBLE-TAP** the touch slider.

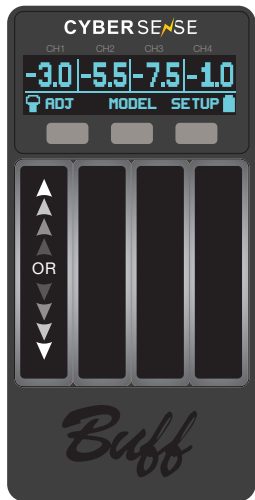
ADJUSTING MODELING LIGHTS

ADJUSTING MODELING LIGHTS IN THE MODEL MODE

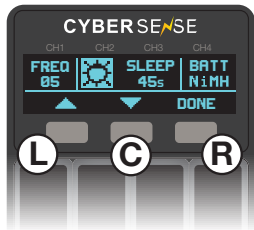
When the **MODELING MODE** is set to **ADJUST** (ADJ), use the TOUCH SLIDER associated with the channel the flash unit is set to; SLIDE UP to INCREASE the output, and SLIDE DOWN to DECREASE the output.

The sliders for the modeling lights adjust in 1/10 of a stop.

To turn any individual modeling light **OFF**, simply DOUBLE-TAP the TOUCH SLIDER for that specific channel. The digital display will show **OFF** under the channel icon for that particular flash unit. To turn the modeling light back **ON**, simply DOUBLE-TAP the TOUCH SLIDER.



ADJUSTING DISPLAY BRIGHTNESS AND SLEEP TIMER

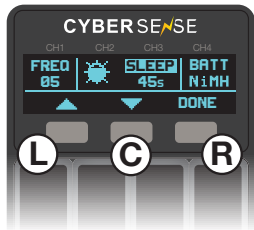


ACCESS THE SETUP MENU

Press the (R) button indicated by **SETUP** in the digital display.
Press the (C) button to enter **DISPLAY SETUP (DISP)**.

DISPLAY BRIGHTNESS ADJUSTMENT

In **DISPLAY SETUP** mode, you can adjust the brightness of the digital display by pressing the (L) button, indicated with **BRIGHT**, in the digital display. Then, press the (L) or center (C) buttons to increase or decrease the brightness of the display. Finally, press the (R) button, indicated with **DONE** in the digital display, to finalize your changes.



SLEEP TIMER ADJUSTMENT

In **DISPLAY SETUP** mode, you can adjust the **SLEEP** setting of the digital display by pressing the (C) button, indicated with **SLEEP** in the digital display. Then, press the (L) or (C) buttons to increase or decrease the sleep setting timeout. The unit can be set to go into **SLEEP** mode anywhere from 15 seconds to 15 minutes. Finally, press the (R) button, indicated with **DONE** in the digital display, to finalize your changes.
To turn OFF the CyberSense before it enters **SLEEP** mode, press and hold the (R) button until the unit shuts off.

*The sliders have no function when the CyberSense is in these modes.


ADJUSTING BATTERY TYPE

BATTERY ADJUSTMENT

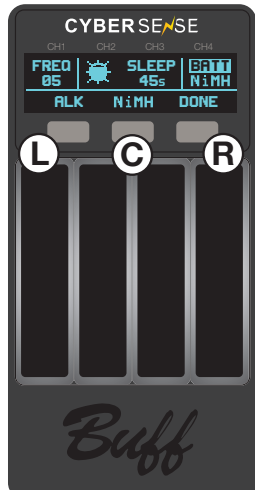
NOTE: The CyberSense attempts to automatically detect whether the installed batteries are alkaline or NiMH on start-up. This mode is only necessary when the CyberSense's automatic detection is incorrect.

Press the (R) button indicated by **SETUP** in the digital display.
Press the (R) button to enter **BATTERY (BATT)** setup.

In **BATTERY SETUP (BATT)** mode, you can set which battery is being used in the CyberSense. Options include: Alkaline (ALK), indicated above the (L) button in the digital display, or Nickel Metal Hydride (NiMH), indicated above the (C) button in the digital display. Finally, press the (R) button indicated with **DONE** in the digital display to finalize your changes.

NOTE: The battery gauge () will indicate the amount of energy left in the battery. The icon will show the depletion of the battery in various stages. The battery icon will flash when it is time to replace the batteries in the CyberSense. If the battery life has been completely exhausted, it will power on and prompt to replace the batteries before you are able to proceed with using the remote.

*The sliders have no function when the CyberSense is in these modes.



SAFETY AND LEGAL INFORMATION

- This product is NOT sealed or waterproof.
- The only user-serviceable parts in this product are the batteries.
- When not in use, store in a dry environment where the temperature will not fall below -4° F (-20° C) nor exceed 158° F (70° C). We recommend that you remove the batteries to prevent damage from corrosion during long-term storage.

FCC ID: OUECBRSNS

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, (2) this device must accept any interference received, including interference that may cause undesired operation.

Paul C. Buff, Inc. guarantees all CyberSync™ products for a period of two years from date of purchase. We will, at our option, repair or replace any CyberSync™ product that becomes defective during this period. Batteries are excluded from this warranty, as is any damage resulting from improper use.

No claim is made for the suitability of this product for any intended use and no liability is implied or assumed beyond the repair or replacement of this product.

Defective units should be returned to us at the address below with a note explaining the defect or problem. We will return repaired or replaced units to you at our cost.

Designed in the USA by: Paul C. Buff, Inc., 2725 Bransford Ave., Nashville, TN 37204 USA

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