

XLP™ USER MANUAL



DIP MODE SELECTION

Default Setting

You must choose which camera you have attached from the list below **Dip 3 & 4**. All Dips are **DOWN/OFF**: With the exception of **Dip 5** immediate picture, **Dip 11** control board power, and **Dip 12** PIR sensor power are left on, 24 hour mode of operation. With these selected, your unit is going to work with the simplest setting available.

Photos are taken immediately of the first object that moves, and you will get the maximum pictures per minute of deer stay. There is a **component of stealth operation** between pictures where deer behavior is observed, but the maximum pictures are taken. You would use this method in a site situation where stealth is not a concern. You just want lots of deer pictures, maybe in your back yard or Uncle's farm where the deer seem to be comfortable most of the time. You can use this setting on a trail as well as a feeding location.

Stealth is another advantage over other controllers on the market today.

- **#1**: Normal bi-weekly use of your camera will offer an extended longevity of NiMH batteries. However if you want to leave the camera out in the field for longer periods of time, or deep woods setups, we recommend the '**Stealth Settings**' and Alkaline batteries, because alkaline batteries **shelf life** is longer when **sitting at idle** then a NiMH battery. NiMH batteries **discharge at a slow rate everyday**, as where alkaline batteries do not.

You will benefit from NiMH batteries if you use your game camera bi-weekly, but remember this controller card has the ability to allow you to use alkaline batteries in the camera, and obtain a full memory card, in a much longer period of field time than normal, in stealth the unit could ideally last a very long time in the field, on stealth settings and not have to worry about your batteries being dead.

Understanding **STEALTH**, if dip 5 'immediate' is on, the unit will take the first picture, after the first picture the **XLP** enters stealth mode where it observes the deer's behavior movement for about 3-5 seconds of no movement and upon the next movement the **XLP** takes another picture. This goes on up to 1 minute, if no movement for 1 minute then 2 things he or she has not lifted there head in over a minute to trigger another photo or they left the area. (*most likely they left the area*)

Now if dip 5 is off, you are in complete stealth mode, upon first detection the camera powers up but does not take a photo, this is just to charge the flash cap and get the camera ready for the next movement, depending on the timed movement delay you have chosen on dips 1 & 2, will determine how many pictures you get. If both dips 1 & 2 are off then you have the lowest stealth setting and after about 3 seconds of little to no movement from the animal it then takes the picture upon the next movement. This eliminates flash shock to the animal, and they enter there relaxed stage like they were when they first walked into the area.

- **Advanced Settings**

The goal with all the advanced features is to get more pictures of bucks than a regular deer camera, especially mature bucks. The best part about the **XLP** is that you will make selections based on your personal hunting expertise and knowledge of the area.

With Stealth observation, you're not just hanging a camera out there that takes pictures when something moves. With the **XLP** controller you are making selections to get more buck pictures. More pictures of each buck, and more certainty that you have captured every buck on the property.

There are **4 categories** of features based on where we use Stealth settings; **Movie, Bait, Trail & Scrapes**, with **4 Stealth Delay levels** to choose.

Feeders:

Always use **STEALTH MODE** when the deer will be staying in front of the camera for a minute or up to 30 minutes, and mostly when you want to have surrounding deer come in. Always use a considerable amount of stealth for close up shots from 3-5 feet.

Stealth Scrape:

Unique pictures can be captured, i.e., Paw the scrape, working the branch, catching the deer with his mouth open, etc. Choose the lowest stealth setting **Dip1, 2 & 5 off**, and choose **Rapid Fire Dip 10** on, stealth allows for the deer to enter the scrape, and not be spooked off from the camera flash, the **XLP** immediately monitors the deer's movement, allowing the deer to enter the area without being alarmed from a camera flash, when the deer is pre occupied with the scrape, and then sends off a set of rapid fire pictures up to as many as 7 per event. *Other stealth settings can be used as well. You may find better results i.e. more pictures with a longer setting.*

Stealth Movie:

DIP 7, 8, 11, & 12 UP, ALL OTHER DIPS DOWN.

You don't have much movie time available in your still camera. You want to use it wisely to get footage of the bucks, and all the deer in the area that have come for a visit. Use **DIPS 1 & 2** to select how long the unit will stay in stealth before it begins filming its first video clip.

DIP 1 & 2 down will definitely start the film early in the visit, less than a minute.

1 down, 2 up will likely start the movie within a couple minutes

1 up and 2 down will start the movie usually within 2-3 minutes

1 up and 2 up will start the movie anywhere from 1-4 minutes

This is where your expertise comes in when you get the videos to determine if you think you got all the deer that were present,, and if you don't think so, you can do something about it by changing operation to be more stealthy or less stealthy as you see fit.

Stealth Photo: **DIP 8 DOWN / DIP 11 & 12 UP**, Identical to movie except with photos.

Stealth Delay Setting:

Switches 1 and 2 determine the relaxation from the deer. The Stealth settings are used to detect how often the deer moves in the area of view you can limit or not limit the number of photos taken when a stealth event triggers the board.

STEALTH SETTING DOES NOT ALERT THE FIRST DEER, think about the word '**STEALTH**' for a minute, this is the least bothersome to whitetails, available in a game camera controller card today., you can choose from 4 different stealth timer delays by reducing the chances of bothering the deer. Chances are you can gather detailed pictures, because the stealth setting does not take a picture when it detects the first deer in the detection zone. This also allows all other deer in the vicinity to move in for their picture. **The uniqueness is the relaxation of the whitetails in your pictures.** You will notice the deer are much more comfortable & calm then immediate pictures.

- For the maximum number of stealth pictures choose the **05 second** setting: **Dip 1 OFF & Dip 2 OFF**, with the lowest stealth setting delay you can capture as many photos as possible recorded by the Deer's behavior movement. Stealth allows for mature whitetails to enter the detection zone and stay there for a longer period of time by eliminating flash shock. Stealth does not continue to take pictures every 10 seconds movement is detected; instead the **XLP** is programmed by the deer's behavior movements.
- To capture even more pictures choose the next **10 second** setting: **Dip 1 OFF & Dip 2 ON**.

To capture more photos at your feeder location choose the next **15 second** setting: **Dip 1 ON & Dip 2 OFF**.

For example when you set your system up on a feeder location, you will most likely choose the longest specific motion delay: **Dip 1 & Dip 2 ON** is an average of **20 seconds** of specific behavior movement

STEALTH TIMER DELAY SETTING:

STEALTH DELAY	Dip 1	Dip 2
05 SECONDS	DOWN/OFF	DOWN/OFF
10 SECONDS	DOWN/OFF	UP/ON
15 SECONDS	UP/ON	DOWN/OFF
20 SECONDS	UP/ON	UP/ON

FEATURE SELECTION

DIP 5, 7, 8, 9 & 10 set the **specific mode of operation** of your **XLP** controller card. Here you can setup the XLP to function 24 hours a day, day only, & movie. Different setup features to work best with your situation.

NOTE: UNLESS UP/ON IN THE TABLE: ASSUME DOWN/OFF

FEATURE MODE SETTING	DIP 5	DIP 6	DIP 7	DIP 8	DIP 9	DIP 10
24 HOUR OPERATION		NOT USED		DOWN/OFF		
DAY ONLY				UP/ON		
There is a component of stealth operation 'BETWEEN' PIR events where deer behavior is observed!						
IMMEDIATE PICTURE W/5 SEC. STEALTH	UP/ON	NOT USED				
SINGLE TRAILING MODE	UP/ON	NOT USED				
DOUBLE PIC TRAILING MODE	UP/ON	NOT USED			UP/ON	
RAPID FIRE TRAILING/SCRAPE MODE	UP/ON	NOT USED				UP/ON
There is a component of stealth operation 'BEFORE' pictures are taken! DIP 5 OFF						
STEALTH MOVIE DAY ONLY WORKS W/DIP 1 & 2	DOWN/OFF	NOT USED	UP/ON	UP/ON		
STEALTH PHOTO WORKS W/DIP 1 & 2	DOWN/OFF	NOT USED	DOWN/OFF	DOWN/OFF	DOWN/OFF	DOWN/OFF
STEALTH RAPID FIRE WORKS W/DIP 1 & 2	DOWN/OFF	NOT USED				UP/ON
STEALTH/FEEDER/SCRAPE RAPID FIRE MODE / WORKS WITH DIP 1 & 2 OFF, TRY DIFFERENT DELAYS	DOWN/OFF	NOT USED				UP/ON

CAMERA SELECTION

DIP 3 & DIP 4 select which camera you have connected to your XLP controller card.

Note, there are 2 settings that the S600 will guarantee every picture night & day, choose **“Normal mode”**, **Dip 3 & 4 OFF**, or **“Stealth” Dip 5, 3 & 4 OFF**

DIP 3 ON will give you approx. 1.7 seconds day and approx. 3.7 dark. When used with the S600 camera, but some flash pictures might be dark or missed.

For Fast Mode that you think you may need, choose **P series**: Dip 3 **UP/ON**, or **Stealth Dip 5 OFF, Dip 3 UP/ON** by choosing **Fast Stealth mode** you also get every picture guaranteed after first motion.

CAMERA SELECTING & LONG SHIUTTER	DIP 3	DIP 4
SONY P32, P41, P43, P52, S600 Fast mode	UP/ON	DOWN/OFF
SONY S40	DOWN/OFF	UP/ON
SONY S600	DOWN/OFF	DOWN/OFF
OTHER L.S.	UP/ON	UP/ON

DIP 11 BOARD POWER	DIP 12 PIR POWER
UP/ON = UNIT ACTIVATED	UP/ON = PIR ACTIVATED
DOWN/OFF= CONTROL BOARD OFF	DOWN/OFF = PIR SENSOR OFF

Main External Power: If you would like to add (if not supplied), an external power switch to your unit. It is simply installed to your unit by soldering in 2 small 26 TO 32awg. Wire to the M5 & M6 solder holes on the XLP controller card located above the dip switch near dip 11 & 12.

You must leave **DIP 12 ON and DIP 11 OFF**, and power the board on and off with the external power switch.

ANYTIME YOU CHANGE THE DIP SETTING FOR DIFFERENT MODES, IT IS IMPORTANT TO RESET THE POWER TO THE BOARD: DIP 11 & 12 OFF FOR 35 SECONDS,

AND IF USING EXTERNAL POWER SWITCH: RESET DIP 12

XLP ADVANCED FEATURES

Dip 1 & 2 sets the **stealth time delay** before a picture and between pictures and this time setting is active in all modes. The time delay selections are 5, 10, 15, & 20 seconds.

DIP SETTINGS / DESCRIPTIONS

First let me say that in Dip setting descriptions "all other dips Down/Off" means of course that Dip 3 & 4 are set to your camera and Dip 11 & 12 are on for operation.

Dips 1 & 2 are used with all stealth modes to set the "time delay" which can be used before a picture is taken and between pictures. The time delay selections are 5, 10, 15, & 20 seconds.

Dip 3 & 4 are set to a recommended best timing setting for the specific camera that is used. **See timing notes below**

Dip 5 switches between "Immediate Mode"/up and "Stealth Mode"/down. If all other dips are Down/Off" the "Pause/Pounce" mode is also activated in both of these modes.

Explaining these three important modes further

In the "Immediate mode" Dip 5 UP/ON the board will turn on and take a picture ASAP. Then the animal behavior mode of the "Animal Smart" XLP board kicks in and decides to do one of two things dependent on the animal's reaction to the first picture. After the first picture if continuous motion is detected a standard length "Pause" including camera off will occur before the next picture is triggered. See dip 1 & 2 for approximate times. This "Animal Smart" decision feature repeats after each picture based on motion or not. If motion has ceased after the first picture the board assumes the animal froze and will keep the camera on and ready in "Pounce" mode waiting for up to a minute for the first movement and then "pouncing" on the target with a trigger event. This will give you better pictures with relaxed animals and reduce the negative flash response that an alert animal has. **With Dip 5 Down/OFF you will be using the "Stealth Mode"**. In this mode the board will power up the camera to get ready and charge the flash if at night but will wait the "relaxed time delay" determined by the deer's movement, set stealth time delay on Dip 1 & 2 and take a picture at the first motion after the "time Delay" is completed. The camera will be shutdown for the "time delay" period and motion will repeat the trigger at this time.

Dip #6 Not Used

Dip #7 Used to switch between Photo and Movie modes, Up/On is Movie.

Dip #8 Switches between "Day Only" and "24 hr operation". Down/Off is 24 hour operation.

Dip #9 On takes a double picture, "Stealth time delay between next event" based on Dip 1 & 2

Dip #10 On Activates "Rapid Fire" mode.

Dip 11 & 12 together are the main ON/OFF power switch for the system. They are both flipped up to turn on the board and PIR for operation. An external ON/OFF switch can be added using solder points M5 & M6. This external switch will then work as a main ON/OFF switch. To use this switch set Dip 12 Up/ON and Dip 11 Down/Off .

Some examples of standard settings:

- **"Immediate"** Best used for any mode to obtain the very first immediate picture. **Dip 5 up.** *The minimum "Pause/Pounce" feature is on, meaning Dip 1 & 2 "stealth time delay" is in effect between motion events.*

This mode is used to get lots of pictures of deer and or hog type animals that don't care about flash. The mature animals might shy away.
This will shutter the first picture as soon as motion is detected.

- **"Stealth mode"** Best used for Feeder/scrape- **Dip 5 down.** *The minimum "Pause/Pounce" feature is on, meaning Dip 1 & 2 "stealth time delay" is in effect between pictures*
- **"Single trailing mode"** Best used for Narrow trail monitoring- **Dip 5 up.** *The minimum "Pause/Pounce" feature is on, meaning Dip 1 & 2 "stealth time delay" is in effect between motion events.*
- **"Double Trailing or Double Picture mode"** Best used to get 2 pictures on the first motion event. **Dip 5 and 9 up.** *The minimum "Pause/Pounce" feature is on, meaning Dip 1 & 2 "stealth time delay" is in effect between motion events.*

Takes the first picture like "Immediate" mode but plans to take a quick follow up in about 3-10 seconds. The camera is then shut off and waits 9 seconds before triggering on another movement. *The minimum "Pause/Pounce" feature is on, meaning Dip 1 & 2 "stealth time delay" is in effect between motion events.*

- **"Rapid Fire mode"** used anytime you want a random amount (as many as 7) pictures taken at 1 time. **Dip 5 & 10 up.**

Takes the first picture like "Immediate" mode but continues to take quick follow up pictures in about 3-13 seconds a part (dependant on the camera). The camera is then shut off and waits 9 seconds before triggering on another movement. *The minimum "Pause/Pounce" feature is on, meaning Dip 1 & 2 "stealth time delay" is in effect between motion events.*