

genie.

WWW.SYRP.CO.NZ

GENIE INSTRUCTION MANUAL V2.8.1 RELEASE

About this guide.

THANKS FOR PURCHASING A GENIE AND WELCOME TO THE SYRP FAMILY!

The Genie is a simple, affordable and extremely easy-to-use motion control device for Time Lapse Photography + real-time video. Simply attach your camera to the top of the Genie, plug it in using the matching cable for your camera and program it to move and shoot to your desired needs.

In this guide you'll find everything you need to know to get filming, and a whole lot of others things we need to tell you to protect you and us.

For detailed instructions and tutorials on how to use your Genie check out our [Youtube Channel](#) We hope that the Genie helps to expand your creativity and assists you in making better films for the world to see. Please stay in touch with us, join our community and show us your work!

Website: www.syrp.co.nz
Facebook: www.facebook.com/syrp.co.nz
Twitter: www.twitter.com/Syrp_
Instagram: www.instagram.com/Syrp_
Google+: www.gplus.is/syrp

WHATS IN THE BOX.

1. 1 x Genie
2. 1 x Panning mount
3. 1 x Linear mount
4. 1 x length of 3m Braided rope
5. 1 x International wall charger
6. 2 x Slider mounts



DISCLAIMER.

Syrp has made every effort to provide clear and accurate information in this product guide, which is provided solely for the user's information. While thought to be accurate, the information in this document is provided strictly "as is" and Syrp will not be held responsible for issues arising from typographical errors or user's interpretation of the language used herein that is different from that intended by Syrp. All safety and general information is subject to change as a result of changes in local, federal or other applicable laws.

Syrp reserves the right to revise this Operation Guide and make changes from time to time in the content hereof without obligation to notify any person of such revisions or changes. In no event shall Syrp, its employees or authorized agents be liable to you for any damages or losses, direct or indirect, arising from the use of any technical or operational information contained in this document. Note concerning illustrations in these instructions - Illustrations in these operating instructions differ slightly from the actual product.

Syrp makes no guarantees for your recordings / images. In the event that content was not recorded or images taken, due to a fault related to the device during use, please understand that no compensation can be provided and Syrp will not be held responsible in any way.

For full user manual and operating instructions refer to www.syrp.co.nz/support

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International product compliance.

Model Number: G01
Trade Name: Syrp
Responsible Party:
Syrp Limited,
43A Linwood Ave
Unit 7
Auckland
New Zealand
Support Contact: +64 9 845 6319

INDUSTRY CANADA EMISSION COMPLIANCE STATEMENTS

This digital apparatus has been tested and complies with Canadian ICES-003 standards.
Cet appareil numérique de la est conforme à la norme NMB-003 du Canada.

AUSTRALIA AND NEW ZEALAND STATEMENT OF CONFORMITY

The device was tested pursuant to applicable test procedure and complies with the requirements of AS/NZS CISPR 22: 2009 "Information technology equipment-Radio disturbance characteristics-Limits and Methods of Measurement.

EUROPEAN UNION COMPLIANCE STATEMENTS

Syrp declares that the equipment described in this document conforms to the requirements of the European Council, EMC Directive, RoHS directive, and WEEE Directive.

This device has been tested and complies in accordance with the following applicable directives:
2004/108/EC Electromagnetic Compatibility (As Amended)

This device has been assessed against the following applicable standards;
EN 61000-6-3:2007+A1:2011
EN 61000-6-1:2007
EN 61000-3-2:2006+A2:2009
EN 61000-3-3:2008

The Waste Electrical and Electronic Equipment (WEEE) mark applies only to countries within the European Union (EU) and Norway. This symbol on the product and accompanying documents means that used electrical and electronic products should not be mixed with general household waste. For proper treatment, recovery and recycling, please take this product to designated collection points where it will be accepted free of charge. Alternatively, in some countries you may be able to return your products to your local retailer upon purchase of an equivalent new product.

Disposing of this product correctly will help save valuable resources and prevent any potential negative effects on human health and the environment, which could otherwise arise from inappropriate waste handling. Please contact your local authority for further details of your nearest designated collection point. Penalties may be applicable for incorrect disposal of this waste, in accordance with you national legislation.

For business users in the European Union, if you wish to discard electrical and electronic equipment, please contact your dealer or supplier for further information.

FEDERAL COMMUNICATIONS COMMISSION (FCC) STATEMENT

This device was tested pursuant to applicable test procedure and complies with the requirements of FCC Part 15 Subpart B Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

Caution: This equipment generates, uses and can radiate radio frequency energy and if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

1. Reorient or relocate the receiving antenna.
2. Increase the separation between the equipment and receiver.
3. Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
4. Consult the dealer or an experienced radio/TV technician for help.

Warning: Operation with non-approved equipment is likely to result in interference to radio and TV reception. Changes and modifications made to the equipment without the approval from Syrp could void the user's authority to operate this equipment.

Note: This device complies with Part 15 of the FCC Rules.

Operations subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesirable interference.

Product warnings.

NEVER USE THIS PRODUCT WITHOUT FULLY UNDERSTANDING THE FUNCTIONS AND SAFETY PRECAUTIONS. SEE WWW.SYRP.CO.NZ FOR OPERATION GUIDES.

WARNING:

To reduce the risk of fire or electric shock, do not expose this equipment to rain or moisture. To reduce the risk of fire or electric shock hazard, keep this equipment away from all liquids. Use and store only in locations which are not exposed to the risk of dripping or splashing liquids, and do not place any liquid containers on top of the equipment.

WARNING:

Always keep the product and all accessories including panning and linear accessory, rope, tooth belt, rope fastening accessories, connection cable, ball head, wall charger, screws, and all packaging out of reach of babies and small children.



CAUTION:

To reduce the risk of fire or electric shock and annoying interference, use the recommended accessories only.

CAUTION:

Do not carry, jar, swing, or shake the unit by any attached accessories including cameras, ball-heads, cables or other equipment. Any strong jolt may damage the unit or result in personal injury.

CAUTION:

Only install the AC adaptor in an AC receptacle (mains socket outlet) that match the plug type being used, are in perfect working condition and are compliant with all local safety regulations. The AC receptacle (mains socket outlet) to be used should be located near the equipment and shall be easily accessible. To completely disconnect this equipment from the AC mains, disconnect the AC adaptor from the AC receptacle.

CAUTION:

Danger of explosion or fire if battery is tampered with or mistreated. Do not disassemble the unit to access the battery or dispose of the unit and/or the battery in fire. Do not store the unit in temperatures over 50°C (104°F) or below -20°C (-4°F). Do not expose the unit and/or battery to excessive heat such as sunshine, fire or the like. Always use the specified charger to recharge the battery. Do not attempt to replace the battery, it is not user replaceable.

CAUTION:

This apparatus can be operated and charged from a DC voltage in the range of 12-15V DC.

CAUTION:

The AC adaptor is designed to operate at the following AC voltages and frequencies only; 100-240V ~ 50-60Hz 0.4A. The rated output voltage and current is 15V DC 1.2A 18W Max. Operation at voltages other than these may require the use of a different AC Plug. Please contact Syrp for assistance in selecting an alternate AC Plug.

CAUTION:

In order to maintain adequate ventilation, do not install or place this unit in a bookcase, built-in cabinet or any other confined space. To prevent risk of electric shock or fire hazard due to overheating, ensure that is not covered by anything that may obstruct the ventilation. Do not use or charge the device in temperatures below 2°C (35°), or above 30°C (86°F).

CAUTION:

Do not lift the unit by its body when a tripod or other equipment accessory is attached. When a tripod or other equipment accessory is attached, its weight will also affect the units handling, possibly causing the unit to break, as well as possibly hurting the user. Instead always detach the unit from the equipment accessory and transport separately.

CAUTION:

Do not leave the unit in direct contact with the skin for long periods of time when in use. Low temperature burn injuries may be suffered if the high temperature parts of this unit are in direct contact with the skin for long periods of time. When using the equipment for long periods of time, make use of tripods or other equipment accessories.

CAUTION:

Do not cover or wrap the device or AC adaptor with a cloth or any other material. Doing so may trap heat within and cause the casing to deform or catch fire.

CAUTION:

Ensure the Genie is securely attached to the linear or panning accessory, No orange should be visible on the release latch..

Important safety instructions.

READ THESE INSTRUCTIONS. KEEP THESE INSTRUCTIONS. HEED ALL WARNINGS. FOLLOW ALL INSTRUCTIONS.

- Clean only with dry cloth.
- The Unit is a precision instrument. Do not drop it or subject it to physical shock.
- Do not use this apparatus near water. The unit is not waterproof and cannot be used underwater. If you accidentally drop the device into water, promptly contact Syrp. Wipe off any water droplets with a dry cloth. If the device has been exposed to salty air, wipe it with a well-wrung wet cloth.
- Never leave the device near anything having a strong magnetic field such as a magnet or electric motor. Also avoid using or leaving the device near anything emitting strong radio waves such as a large antenna.
- Do not leave the device in excessive heat such as in a car or direct sunlight. High temperatures can cause the device to malfunction.
- Never attempt to disassemble the device.
- If the device is suddenly brought in from the cold into a warm room, condensation may form on the device, do not use the device. This is to avoid damaging it. If there is condensation, remove any accessories and wait until the condensation has evaporated before using again.
- Avoid storing the device where there are corrosive chemicals such as a darkroom or chemical lab.
- Do not use or leave the device or battery charger in a hot environment. Doing so may cause battery leakage or a shorter battery life. The device can also become hot and cause skin burns.
- Do not use paint thinner, benzene, or other organic solvents to clean the equipment. Doing so may cause fire or a health hazard.
- Do not use or charge near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
- Only use attachments/accessories specified by the manufacturer.
- Use only with the tripod, stand, slider, ballhead or support apparatus specified by the manufacturer, or sold with the apparatus. When apparatus are used, use caution when moving or transporting to avoid injury from tip-over.
- Refer all servicing to qualified service personnel. Servicing is required when the device has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled, objects have fallen onto the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

PREVENTING FIRE, EXCESSIVE HEAT, CHEMICAL LEAKAGE, AND EXPLOSIONS, FOLLOW THE SAFEGUARDS BELOW:

- Do not use any external batteries, power sources and accessories not specified by Syrp. Do not use any home-made or modified external power supply or batteries.
 - Do not short-circuit, disassemble, or modify the device or battery inside. Do not apply heat or apply solder to the internal battery or any attached external devices. Do not expose the
-

- device to fire or water and do not subject the device to strong physical shock.
- Do not charge unattended, or for longer than 4 hrs.
- Keep the device away from children at all times.
- If excessive heat, smoke or fumes are emitted during recharging, immediately unplug the battery charger from the power outlet to stop the recharging and prevent a fire.
- If the device leaks, changes color, deforms, or emits smoke or fumes, remove it immediately. Be careful not to get burned in the process.
- Prevent any leakage from contacting your eyes, skin, and clothing. It can cause blindness or skin problems. If the battery leakage contacts your eyes, skin, or clothing, flush the affected area with lots of clean water without rubbing it. See a physician immediately.
- During recharging, keep the equipment away from the reach of children. The cord can accidentally choke the child or give an electrical shock.
- Do not leave any cords near a heat source. It can deform the cord or melt the insulation and cause a fire or electrical shock.
- Do not use the device where there is flammable gas. This is to prevent an explosion of fire.
- If you drop the equipment and the casing breaks, opening and exposing internal parts, do not touch the internal parts due to the possibility of electrical shock.
- Do not disassemble or modify the device. High-voltage internal parts can cause electrical shock.
- Do not store the equipment in dusty or humid places
- Do not use the device in hospitals or airplanes. Electromagnetic waves emitted by the device may interfere with the planes instruments or medical equipment.

OPERATING PRECAUTIONS

- Do not allow any water to get into the device when using it in the rain or snow or at the beach. Also do not allow any sand or dust to get into the device when using it at the beach or other similar places. Sand and dust can damage the device. Failure to heed this caution will cause the device to malfunction (and may result in irreparable damage).
- The powerful magnetic fields generated by speakers or large motors may damage the device.
- Do not use the camera-recorder near radio transmitters or high-voltage equipment.
- Using the device near a radio transmitter or high-voltage equipment may damage the equipment and adversely affect your results.
- The AC adaptor (battery charger) can interfere with radio reception so keep radios at least 1 meter away from it.
- Take precautions not to drop the camera when moving it.
- Strong impacts may damage the device and cause it to stop working.
- Handle the device with care, using both hands to carry it.
- Do not spray the device with insect sprays or other volatile substances.
- These can warp the device or cause the finish to come off
- Do not leave the device in contact with rubber or PVC products for extended periods of time.

LIQUID CRYSTAL DISPLAYS

- Images or letters can get burned onto the screen of the LCD or viewfinder if they are displayed for a long time, but you can fix this by leaving the device off for several hours.
 - Less than 0.01% of the pixels that may not light or may remain on all the time. These phenomena are normal.
 - Condensation may form if you use the device where temperatures fluctuate. Wipe dry with a soft, dry cloth.
 - Do not point the display at the sun. Doing so may damage the parts inside.
 - Use a blower to blow away dust on the LCD. Do not use cleaners that contain organic solvents to clean the body or LCD
-

AC ADAPTOR (BATTERY CHARGER) AND INTERNAL BATTERY

- The rating plate is on the back of the AC Adapter. Disconnect the AC adaptor from the AC mains socket when not in use. This device uses rechargeable lithium polymer batteries. The ambient temperature and humidity will effect the operating time; If you use the device at locations with extremely low temperatures, its operating time will be reduced.
- Do not try to access the batteries within the device
- Do not immerse the device in water or other liquid
- Do not use or leave the device near a heat source such as fire or heater.
- Do not use the device to power any other device
- When recharging, only use specified battery charger.
- Do not discard the device in fire or expose it to a flame.
- Do not short-circuit the device by directly connecting the positive (+) and negative (-) terminal with metal objects.
- Always insert the power plug all the way in.
- Do not handle a power plug with wet hands.
- When unplugging a power plug, grasp and pull the plug instead of the cord.
- Do not scratch, cut or excessively bend the cord or put a heavy object on the cord. Also do not twist or tie the cords.
- Do not connect more than one power plug to the same power outlet
- Do not use a cord whose insulation has been damaged.
- Occasionally unplug the power plug and use a dry cloth to clean off the dust around the power outlet. If the surrounding is dusty, humid, or oily, the dust on the power outlet may become moist and short-circuit the outlet to cause a fire.
- Do not transport or store the device together with metal objects.
- Do not strike, throw, drop or damage the device
- Do not try to pierce, disassemble or modify the device.
- Do not use the device in a corrosive environment.
- Do not put the device into a microwave oven.
- Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding-type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet do not use.
- Protect the power cord from being walked on, pinched or exposed to animals particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
- Unplug this apparatus during lightning storms or when unused for long periods of time.

IMPORTANT

A Lithium ion/polymer battery that is recyclable, powers the product you have purchased. Please call 1-800-8-Battery for information on how to recycle this battery.

FOR CALIFORNIA USA ONLY

This product contains a CR Coin Cell Lithium Battery, which contains Perchlorate Material. Special handling may apply, see: www.dtsc.ca.gov/hazardouswaste/perchlorate.



Overview of the Genie

DESCRIPTION OF PARTS

- a. Power button + OK Button
- b. Keypad
- c. Back Button
- d. Display
- e. 3/8 - 16 UNC Thread
- f. DC Power Connector 12V - 15V

- g. Level
- h. Camera connection port
- i. USB port
- j. Interface port
- k. Quick release latch



ACCESSORIES

Panning accessory



Linear accessory



Rope attachments



DISPLAY SYMBOLS

Panning

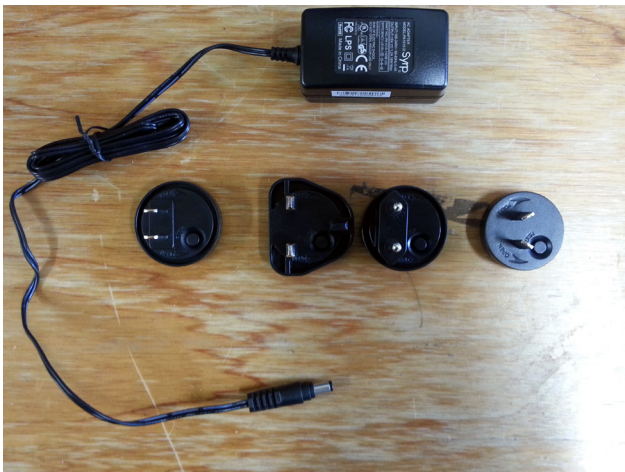


Linear



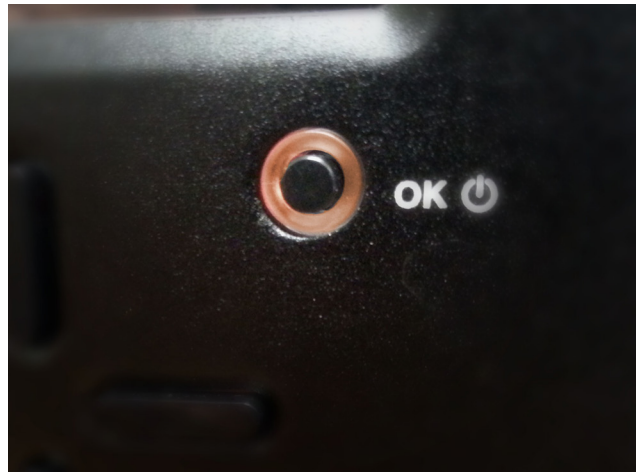
Getting started!

Before you start, read the manual fully and make sure the Genie is fully charged.



Connect the appropriate wall plug to the DC adaptor.

The Genie needs to be turned ON while charging. During charging the Genie will still enter standby mode as per normal.



Insert the DC plug into the Genie and check that the light around the OK button turns orange which means the Genie is charging.

Once fully charged the light will turn green for 5 seconds before turning off entirely.

FIRST TIME SETUP

The following explains how to setup your Genie for the first time.

- Hold down the OK button to turn on the Genie.
- **Set the Date**
Press 'OK' to select the menu item to be changed.
Use the Left and Right keys to select the value to be changed, Up and Down keys will change the value, and press 'OK' to confirm.
-

- **Set the time**
Press 'OK' to select the menu item to be changed.
Use the Left and Right keys to select the value to be changed, Up and Down keys will change the value, and press 'OK' to confirm.
- **Set the frame rate.**
Press left or right to change the frame rate.
This is the speed at which you like to edit and play your videos at once compiled and is used as the basis of making recording calculations. We recommend 30 fps for North America and Japan, and 25 fps for Europe and Australasia.
- Scroll down to 'Go!' then press 'OK' to save your settings.

Taking a panning shot

The following will guide you through the steps required to take a simple panning time lapse or video shot with the Genie.

ATTACHING TO YOUR TRIPOD.

If you have just taken your Genie out of the box the first thing you will need to do is remove the panning accessory from the base of the Genie.



Using a finger or thumb, move the release slide on the back of the Genie towards the unlock symbol. While holding in the unlock position pull the panning accessory off the base of the Genie. (This may be tight when new)



Attach the panning accessory to your tripod legs using the large threaded hole (3/8 -16 UNC), or onto a tripod head using the small threaded hole (1/4-20 UNC).





Click the Genie into the panning accessory firmly and check that the release slide is completely closed.



Orange warning print will be visible if it is not attached correctly.



Once the Genie is in place, check that the bubble level on the top is showing the air bubble in the centre of the ring. This will ensure that your shots will rotate perfectly flat.



To attach your camera to the top of the Genie you can either use a tripod head, or a ball head.

Screw this down securely to the top of the Genie using the 3/8-16 UNC thread.



Now attach your camera to the top of the ball head.



Using a Syrp Link cable matched to your camera model, connect the 2.5mm end to the camera port on your Genie, and the other end to the remote input on your camera.

TAKING YOUR FIRST TIMELAPSE

The following will guide you through how to setup your first timelapse using a compatible DSLR camera.

- Hold down the 'OK' button to turn on the Genie.
- Press 'OK' on the timelapse recording option.

Here you will be presented with 4 options.

New Recording
Clouds
People
Stars

We recommend if you are new to timelapse that you choose one of the 3 presets. For this example we will use 'Clouds'.

- Using the keypad scroll down to clouds and press 'OK'

Before pressing start, be sure to set your camera up. Take some test photos to get the exposure and framing correct. To ensure that all of the images captured are consistent you should use the manual setting on the camera.

- Now that the camera is setup you can press start on the Genie.

The 'clouds' preset will run for 30 minutes sending signals to your camera to take photos as well as rotating very slowly 90 degrees in the clockwise direction.

TAKING YOUR FIRST VIDEO

- Hold down the 'OK' button to turn on the Genie.
- Scroll down to 'Video' using the arrow keys, then press 'OK' to enter the video mode.

Here you will be presented with 3 options.

New recording
Fast
Slow

To get started we recommend to try either of the presets. For this example we will use 'Fast'.

- Using the keypad scroll down to 'Fast' and press 'OK'

Before pressing start, be sure to set your camera to video mode, and press record.

- Now that the camera is setup and recording you can press start on the Genie.

The 'Fast' preset will run for 10 seconds rotating your camera 90 degrees in the clockwise direction.

Once it has finished moving, be sure to end the recording session on your camera.

7.0 Taking a linear shot

The following will guide you through the steps required to take a simple linear time lapse or video recording with the Genie.

ATTACHING TO YOUR SLIDER OR DOLLY

If you have just taken your Genie out of the box the first thing you will need to do is remove the panning accessory from the base of the Genie.



Move the release slide on the back of the Genie towards the unlock symbol. While holding at unlock, pull the panning accessory off the base of the Genie. (This may be quite tight when new)



Screw the linear accessory to your slider by turning the knob in the centre of the linear accessory.



Attach the rope clamps to each end of your slider using the provided straps.



Coil the rope around the rope clamp at one end.

Pull the other end of the rope so that it is tight and coil around the rope clamp at the other end.





Click the Genie into the linear accessory firmly and check that the release catch is completely closed.



Orange warning print will be visible if the Genie is not attached correctly.



To attach your camera to the top of the Genie you can either use a tripod head, or a ball head.



Attach your camera to the top of the ball head.



Using a Syrp Link cable matched to your camera model, connect the 2.5mm end to the camera port on the Genie, and the other end to the remote input on your camera.



TAKING YOUR FIRST TIMELAPSE

Hold down the 'OK' button to turn on the Genie.

- Press 'OK' on the timelapse menu item to enter the timelapse mode.

Here you will be presented with 4 options.

New Recording
Clouds
People
Stars

We recommend that if you are new to time lapse to choose one of the 3 presets. For this example we will use 'Clouds'.

- Using the keypad scroll down to clouds and press 'OK'

Before pressing start, be sure to set your camera up. Take some test photos to get the exposure and framing correct. To ensure that all of the images captured are consistent you should use the manual setting on your camera.

The 'clouds' preset will run for 30 minutes taking a photo and moving very slowly 85cm* down the slider in the direction of the ++ symbols on the linear accessory.

* Make sure that you have enough track on the ++ side of the linear accessory for the Genie to complete its movement.

- Now that the camera is setup you can press start.

TAKING YOUR FIRST VIDEO

- Hold down the 'OK' button to turn on the Genie.
- Scroll down to 'Video' using the arrow keys, then press 'OK' to enter the video mode.

Here you will be presented with 3 options.

New recording
Fast
Slow

To get started we recommend to try either of the presets. For this example we will use 'Slow'.

- Using the keypad scroll down to 'Slow' and press 'OK'

The 'Slow' preset will run for 60 seconds, moving very slowly 85cm* down the slider in the direction of the ++ symbol on the linear accessory.

* Make sure that you have enough room on the ++ side of your track for the Genie to complete its movement.

Before pressing start, be sure set your camera up in video mode, and press record.

- Now that the camera is setup and recording you can press start on the Genie.

Once it has finished moving, be sure to end the recording session on your camera.

8.0 New recordings and presets

Time to get creative. We'll now give you a bit more of a run down on each of the settings that you can adjust to create your own unique timelapse and video recordings. We will use the panning setup throughout, but all of these settings apply to the linear setup as well.

TIMELAPSE

- With the panning accessory in place and the Genie turned on, enter the timelapse mode by pressing 'OK' on the timelapse menu item.
- Press 'OK' again to enter the New recording menu.

In here you will be able to adjust all of the various settings required to capture a timelapse using either the traditional method, setting via the shot interval, or the real time method specifying the compiled video play time.

Rec time

This is the total time the Genie will run for during the timelapse at your location. Set this to a time that suits the scene you are shooting.

Play time

This is the time that you would like your final video to play for after you have compiled all of the images. The Genie will use this setting and the frame rate you set to determine the total number of shots it needs to take and how long to wait between each of them. By adjusting this value the interval between the shots will also change.

Interval

The interval is the time between each of the shots the Genie tells your camera to capture. The interval will be calculated from the Rec time and the Play time. If you have a particular interval you like to shoot with, you can adjust the interval setting and the play time will update to match.

Note: If you are shooting long exposures, make sure that the interval is long enough to allow the camera to finish capturing the image as well as process the data.

Movement

This sets the angle (in panning) or distance (in linear) as well as the direction.

- Press the Left or Right keys to adjust the value.
- Press the 'OK' button to change the direction.

Preview

This runs the Genie at the video playback speed based on the settings you have chosen. You can use this to preview how your movement will look in your compiled video.

Note: If the real time play speed of your setting is faster than the maximum drive speed of the Genie the preview function will switch to 'Non real-time' preview and will drive at a predefined speed.



Save as new pre-set

If you want to save your settings and use them again on other shoots you can save a preset. This will add a new preset to the timelapse menu.

Start

Once you have been through these settings you can hit start and your timelapse will begin.

Advance Setup

See section 12.0 for further details.

9.0 Timelapse with video camera

When using a video camera with the Genie there is no link between the Genie and the camera. You will need to set up the timelapse functions on your video camera using the instructions provided by the manufacturer.

Once you have setup the video camera to record a timelapse you should enter the video mode on the Genie.

- Select video from the main menu, then select 'New recording'

In this menu you can adjust the settings for the capture time as well as the angle (panning movements) or distance (linear movements) that the genie will move.

- Press the Left or Right buttons to set the capture time to the total recording time you would like to capture your timelapse for.
- Press the Left or Right button to set the angle or distance of travel you would like the genie to move throughout your timelapse.
- Press 'OK' on the movement setting to change the direction of the movement.
- Once you have started the timelapse recording on your camera, press 'OK' on start in the Genie menu.

The Genie will slowly rotate over the capture time.

10.0 Auto start / countdown

In the recording mode menu select Auto Start to enter the settings.

Timer

Select countdown timer using the left/right button to set a countdown time before the recording starts.

Countdown timer

Sets the time before your chosen recording will start.

Mode

Select either timelapse or video according to what type of recording you would like to take.

Preset

Select your recording settings from a preset. You can use one that comes with the Genie already or one you have saved out already.

Post recording

Select what happens after the recording has finished. Repeat will return the Genie to its start point and repeat the programmed move. 'Continue' will repeat the move continuously without returning to home first. You may also choose to 'power off' or 'return home' post recording.

Repeat delay

Set the delay time between the end of your move and the start of the next repetition, you may also choose no delay to run the recording without interruption.

Number of repeats

Select the number of times you would like to repeat the recording.

Start

Press start to begin the recording.

11.0 Auto start / Time & Date

In the recording mode menu select Auto Start to enter the settings.

Timer

Select time & date using the left/right button to set a 'countdown timer' or a 'time & date'.

Time

Using the 24 hour clock set the time in which you would like to start the recording.

Date

Select the date in which you would like the recording to start.

Mode

Select either timelapse or video according to what type of recording you would like to take.

Preset

Select your recording settings from a previously saved preset. You can use one that comes with the Genie already or one you have saved out yourself.

Start

Press start to begin the recording.

Note: be sure to set the 'date & time' up correctly in the settings menu before using the time & date feature.



12.0 Advanced settings

Move shoot delay

To reduce camera shake from unstable setups increase the Move Shoot Delay time. This is the time your Genie will wait after moving and before it tells the camera to take a photo.

Bramping

Bulb ramping enables you to shoot time-lapses from day to night in situations where the light changes drastically.

- Navigate to bramping and press the left or right buttons to turn bramping on.
- Press OK to enter the bramping settings.
- Set your first exposure to the shutter speed you would like to use for your first shot and set the last exposure to the shutter speed you would like to use for your last shot.

Before starting your timelapse ensure your camera is switched to 'bulb mode'. Please note that most cameras fastest shutter speed in bulb mode is 1 second. Cameras such as the 5D Mark III and some others can shoot as fast as 1/20 of a second in bulb mode.

HDR

- If your camera has HDR as a shooting setting then set it to this mode. If not then set your camera up to take multiple exposures using its exposure bracketing function.
- Navigate to HDR and press the right arrow button to adjust the HDR signal time to match the total sequence time of your camera. Ensure that the signal time value on the Genie is equal to or more than all exposure times combined.

Ease In/Out

Adjust the ease in/out to create a dampening movement effect at the start and end of your timelapse or video recording. Press the right button on the keypad to set how long the Genie will 'ramp' the movement for at the start and end of the move, these are real time (playback speed) values.

Post recording

Select what happens after the recording has finished. Either 'Enabled' or 'Disabled'.

When Enabled:

Action: Power Off

At the end of the recording the Genie will switch off.

Action: Return Home

At the end of the recording the Genie will return home.

Bounce Back Mode

Bounce back mode is found in autostart. This is used to repeat the same move back and forth. It can be used in timelapse or video mode with the panning or linear accessory.

Return and Repeat

At the end of the recording Return to Home and then repeat the same movement
Setting up bounce back mode:



Bounce Back

At the end of the recording run the same movement back in the other direction. This mode is commonly used in a one-man-crew environment where you want to film your subject without the need for an additional camera operator.

Number of Repeats

The number of times the Genie will either 'Bounce Back' or 'Return and Repeat'.

13.0 System settings menu

- Navigate to the bottom of the main menu to take full control of the settings that make the Genie tick.

The following options will be available:

Help

If you would like to know more about using the genie you can scan the QR code and head straight to the support section on our website. Here you will find the instruction manual and tutorials and you can also get in touch with us to solve any other questions you may have.

About

Shows the model of Genie you have as well as the current version of the firmware.

Camera Model

Displays how the Genie will connect with your camera when using the IR emitter. Note that when using a Syrp Link cable it is not required to set your camera model.

Auto Off

Sets the waiting time before the unit powers down automatically when not being used. We recommend to keep this function active.

Screen Auto Off

Sets the waiting time before the screen turns off during a recording (recording will run as normal).

Sound

Turns the internal speaker ON/OFF

Time

Adjust to match the current time in your region.

Date

Adjust to match the current date in your region.



Units

Change the units between Imperial (feet) and Metric (cm / m) according to your preference.

Frame Rate

Adjust the frame rate to match your workflow for shooting, This will determine how other parameters are calculated on the device. Typically this is 30 fps for North America and 25 fps for European Countries.

Shutter signal

This is the time that the Genie sends a signal to the camera to tell it to take a photo. Default setting is 200ms. Some cameras require a longer signal to register the shutter has been fired.

Auto Focus

The time in which the Genie instructs the camera to 'Auto Focus' for. The default setting is off. We recommend setting your camera to manual focus to avoid focus shifting throughout your timelapse.

Load factory defaults

Reset the settings back to factory parameters*.

*All presets and other user settings will be lost.

To exit the settings menu just press 'Back'. All changes are automatically saved.

Using the IR Link cable

If you are using the IR link cable there are a few things that you must ensure that you setup on both the Genie and your camera before you start.

- Firstly in the 'Settings' change the camera model to the camera that you will be using.
- On your camera make sure that you turn off LCD preview and make sure that your camera is setup to receive a remote signal.
- Another thing to keep in mind if you are shooting in RAW is you must ensure there is enough time between frames for the camera to process the image. This will ensure that no frames are skipped due to the picture buffer in the camera filling up. This has been an issue that has occurred with some cameras.



14.0 Installing Firmware.

Complete the following steps to install the beta release v2.8.1 onto the Genie.

1. Locate and Download the firmware release .zip folder onto your computer from <https://syrp.co.nz/content/resources-and-downloads> Unzip the folder to reveal the .bin file v2.8.0
2. Take a blank FAT32 formatted USB key and load the .bin file onto the USB stick*.
3. Prepare the Genie for upload by ensuring the unit is powered down**.
4. Insert the USB key into the USB port on the side of the Genie.
5. While holding down the back button press and hold the OK button simultaneously until the screen starts flashing black and white which indicates the unit is reading the .bin file on the USB key ***.
6. After approximately 10 secs the Syrp logo should appear and your Genie will load as normal entering the Setup screen. Remove the USB key.
7. Set the time, date, units and frames per second according to your region, navigate to 'Go!' and press OK
8. Scroll down to settings and hit OK, then scroll to 'About' and check that current firmware reads v2.8.1
9. Go filming!

* Do not use hard drives or other external USB devices to load the firmware. Some USB keys draw too much power to correctly function. Do not load the .zip file onto the USB key. You must unzip the folder and load only the .bin file with nothing else on the USB key.
USB3.0 Keys, or any key over 16GB will not work.

** Please note that uploading new firmware will wipe all existing presets and settings on the Genie. If you wish to keep settings please make a note of them and reinstall after update.

*** If the red indicator light around the OK button stays solid red then the firmware has not correctly installed. Power off the device and try again. Consider trying a different USB key.

Tested USB keys include: Sandisk Cruzer Fit, Sandisk Cruzer Blade, Generic 2GB

[Video firmware upgrade tutorial](https://vimeo.com/syrp/firmware)
vimeo.com/syrp/firmware



Go filming!



Contact.



Syrp Limited
43A Linwood Ave, Suite 7
Mt Albert 1025
Auckland
New Zealand
+64 9 845 6319



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