DITOGEAR™
OMNISLIDER

USER'S MANUAL

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1. Getting started

Thank you very much for purchasing the DitoGear™ OmniSlider. We hope that the device will meet your expectations bringing a great value to your productions.

Please follow the instructions in this manual to set up and operate the DitoGear™ OmniSlider.

Please ensure to carefully read the safety instructions and precautions contained in this manual prior to use of the device.

Should you need any assistance or support do not hesitate to contact us at support@ditogear.com.

Product version information

This manual refers to DitoGear™ OmniSlider v2 Controller model, dated 09/2011 and DitoGear™ OmniSlider Controller Firmware build OS130401LIRJ dated 04/2013.

Latest product manuals can always be found at: www.ditogear.com/user-manuals

2. Setting up the device

Follow the instructions below to setup the device for basic operation.

Using the device for the first time

1   Unpack your device and remove protective caps.

2   Stabilize the slider using tripods or optional DitoGear™ Support Feet Pro.

3   Connect an RJ45 type signal cable to the OmniSlider and to the Output port of a DitoGear™ Breakout Box.

4   Connect an RJ45 type signal cable to OmniController or other controller of your choice and to Input 1 port of the Breakout Box.

5   Optionally connect a shutter release cable to Sync 1 port (2.5mm micro jack) of the Breakout Box. Connect the other end to your camera.

6   Place your camera on the trolley using any accessories of your choice.

7   If operating horizontally, move the trolley manually to the starting position at the end of the track, close to the motor box.

8   If operating vertically or diagonally, position the slider with the motor box at the top end and place the camera on the lower end.

9   Connect the power source – a DitoGear™ Power Pack 7Ah/14Ah, a DitoGear™ AC/DC power adapter or a 3rd party compatible power source directly to DitoGear™ OmniSlider Power port. For low-payload operation, you can alternatively connect the power to the Power port of the Breakout Box. It may be required to charge the battery fully prior to first use of the device.

Unpowering the device

To safely unpower the device please follow the steps below:

1   If operating in vertical or diagonal mode, park the trolley at the lower end of the slider.

2   Optionally detach the camera from the trolley.

3   Disconnect power supply cable.

4   Disconnect other cables.

Caution! Never disconnect the power when the camera is lifted during operation in diagonal or vertical mode! Power cutoff may cause the trolley to fall and cause damage to your camera!

3. Using DitoGear™ OmniSlider

3.1 General notes about using DitoGear™ OmniSlider

The following notes will give you a general understanding about the DitoGear™ OmniSlider design concepts.

Notes on the DitoGear™ OmniSlider Stepper Edition

The specific motor controller frequencies have been chosen to minimize the negative effect caused by micro oscilations of the stepper motor in real time filming modes. However it is possible that in some combinations of rail length, speed, weight and architecture of your rig, some artifacts may appear, degrading your recorded image.

If such a situation occurs, consider changing the operating speed, adding additional stabilization to the slider and/or changing the rig configuration by adding or removing its elements. Placing the camera on the trolley as low as possible may also improve the performance.

The DitoGear™ OmniSlider Servo Edition is completely free from any of the above issues.

Rail design and conservation guidelines

The rail and the trolley, which are essential components of the device, are precise and durable units. Please follow the guidelines below to prolong their life and get the most of their design.

The trolley is mounted to the rail using an industrial-grade linear bearing system with auto-greasing and auto-cleaning mechanism.

When operating in demanding conditions such as high humidity, light rain, snow or frost, it is also recommended to perform the manual cleanup and conservation of the rail after the filming session.

1   It is unlikely that any particles get inside the bearings system, however, to prolong its life, we advise to clean the unit of any sand, dust or other stuff that got into the rail profile.

2   After cleaning the rail, move the trolley 4-8 times across the entire track to spread the grease evenly.

3   Afterwards, remove the dust and dirt collected at both sides of the trolley, at the point of contact with rail, with a soft cloth or a tissue.

Precautions for safe use of the DitoGear™ OmniSlider in non-horizontal operation mode

Please read and follow the guidelines below to use the DitoGear™ OmniSlider safely in diagonal and vertical operation modes.

1   When operating vertically or diagonally, always orient the slider such that the motor box is situated at the upper end.

2   Prior to connecting or disconnecting power always ensure that the camera is placed at the lower end of the slider or, preferably, is detached.

3   Prior to using the device always make sure that the load does not exceed the slider's capacity. Use the joystick to lift the trolley a few centimeters up and ensure the motor has sufficient torque to hold the load.

After moving the trolley up put a small amount of pressure on the trolley manually downwards and ensure that the trolley does not fall. Only if you are sure it is stable proceed operating with your camera in diagonal or vertical mode.

4   The power of the motor and the maximum load depends on the current supplied to the device and the angle in which the slider is positioned.

5   Disconnecting the power when operating vertically or diagonally will cause the trolley and your camera to fall down as the trolley is held in place only by the motor. Make sure to secure the power cable to prevent accidental disconnection.

Caution!
DitoGear is not responsible for any damage to the camera or other equipment caused by improper use of the device.

Caution!
Incautious use of the slider may cause serious injuries to your body. Never put your hands or fingers near the trolley or slider track during operation!

3.2 DitoGear™ OmniSlider Controller Overview

The DitoGear™ OmniSlider Controller is an electronic device designed to control the slider with ease and precision. The controller consists of the following elements:
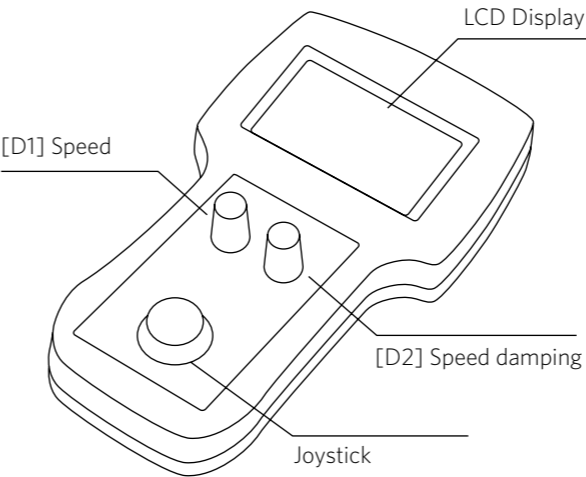
1   An RJ45 cable socket at the back of the controller

2   A multiline LCD display

3   A 4-directional, 1-button analog joystick used to navigate through the DitoGear™ OmniSlider Controller menu system and control motion of the device. Press the joystick to select the options in the menu and access special functions (referred to as [Select] in the manual)

4   The speed adjustment dial, situated on the left of the controller, is used to adjust the speed of the trolley (referred to as [D1] in the manual)

5   The speed damping dial, situated on the right of the controller, is used to adjust the speed damping (acceleration and decceleration) of the trolley (referred to as [D2] in the manual)

3.3 DitoGear™ OmniSlider Servo Motor Internal Controller

The DitoGear™ OmniSlider Servo comes with an advanced low-level motor controller capable of preventing motor overload and overheating.

A built-in cooling fan is switched on every time the motor or motor controller temperature reaches the treshold point.

The DitoGear™ OmniSlider Servo Motor Controller comes with a **controller reset button** located on the front panel of the motor enclosure.

When the controller detects motor overload, the power is disconnected to prevent hardware damage. Such situation is indicated with continuous sound alarm. If it happens (usually during calibration procedure when the trolley hits the end of the track or while working under excessive load) simply press the reset button for a second to reset the warning. Recalibration may be required.

3.4 Adjusting initial settings

In order to operate the device properly, the initial configuration must be set. Some additional settings are required after each power-up routine.
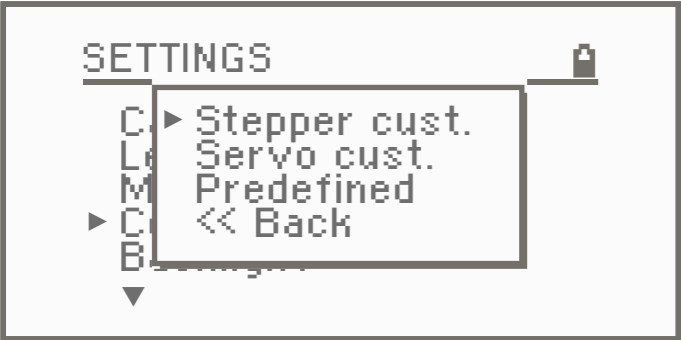
Setting the controlled device

In order for the slider to operate properly the correct device should be chosen from the settings menu.

To select the device navigate to:
Home » Settings » Controlled device

The following options are available:

Stepper custom lets you operate a custom DitoGear™ device based on a stepper motor.

Servo custom lets you operate a custom DitoGear™ device based on a servo motor.

These options are designed for future applications and for advanced users. Please contact DitoGear™ Support to obtain detailed instructions on how to use them if necessary.

In most cases you will use the Predefined option setting one of the devices, such as:

1 DitoGear™ OmniSlider Stepper

2 DitoGear™ OmniSlider Servo

3 DitoGear™ Modulo Dolly

4 DitoGear™ Modulo Rover

The following screen confirms your choice:

The device setting is stored in the persistent memory and thus it is required to be set only once or when you plan on controlling another device.

Note: changing the device type may apply changes to the track length settings, so make sure to check the length and calibration after setting the device type.

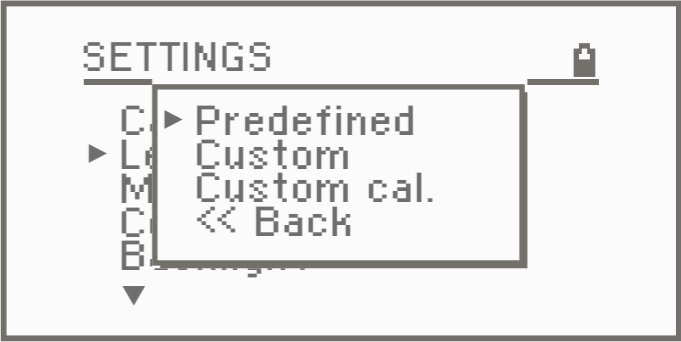### Setting the track length

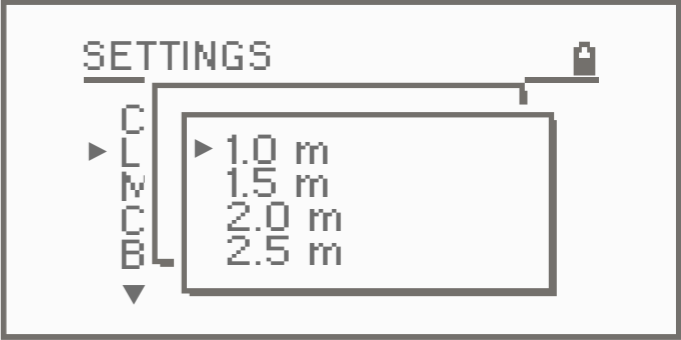To set the track length, navigate to:
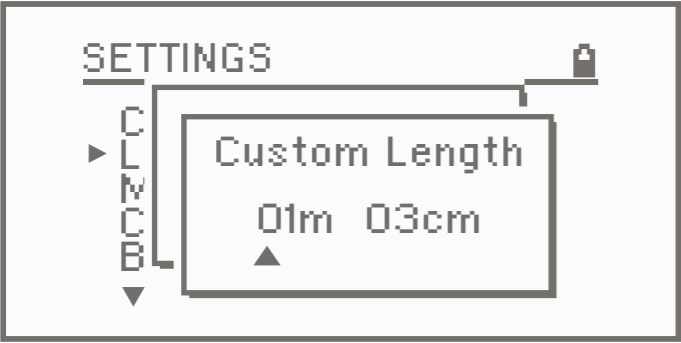**Home » Settings » Length**

The following options are available:

The **Predefined** option allows to select one of the predefined slider lengths **(1.0m, 1.5m, 2.0m or 2.5m)**.

The **Custom** option lets you type in the length of the track or the operating length.

The **Custom Calibration** option allows to define the operating length by travelling the desired distance using the joystick.

After selecting the **Custom Calibration** option, the controller assigns the current position of the trolley as the start limit of the track.

You may move the trolley to the end limit position and confirm the length by pressing the joystick. The distance travelled, in other words the operating track length, is displayed for your convenience.

Note: changing the length of the track always resets the calibration of the device to the current position of the trolley.

3.5 Calibrating the device

The DitoGear™ OmniSlider comes with an internal position memory feature and therefore needs to be calibrated prior to use after each power-up routine.

Basic calibration

In order to perform basic calibration (to be used in most cases when operating horizontally), move the trolley to the end of the track closest to the motor box prior to turning on the device. At power up, the controller assumes that the trolley is placed the starting position; no additional calibration is required.

Using Mirror mode

If after calibrating, the trolley does not move forward but stalls moving backward from the starting position, toggle the **Settings » Mirror** option.

Manual recalibration

It may happen that the stepper motor skips a few steps during the operation due to excessive load or other reasons. You may also want to recalibrate the slider to manually define in- and out- points of the track to limit working length of the rail.

To do so, navigate to: **Settings » Calibration** and follow the on-screen instructions.
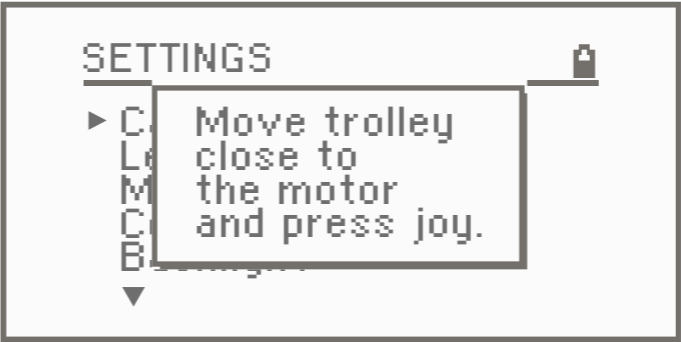
If the trolley hits the end of the track and you hear the internal controller warning sound, press the internal controller reset button (servo only) and confirm the calibration with the joystick.

3.6 Calibrating the device for diagonal and vertical operation

For safety reasons when operating vertically or diagonally the setup procedure requires that the motor be placed on the upper end and the trolley at the lower end prior to powering up the device.Due to this fact, a different calibration routine is required.

Option 1. Place the load at the lower end of the rail, power up the device and use manual calibration feature to calibrate the device moving the motor from the lower end to the upper end and confirm calibration.

Option 2. Place the load at the lower end and power up the device. Toggle **Settings » Mirror** option so that the controller assumes that the initial position of the slider is at the farthest point from the motor.

Important note! While changing one of the settings such as: controlled device type, length or calibration please make sure to always do the changes in the following order:

1   Set the controlled device type

2   Set the track length

3   Perform calibration

3.7 Controlling the trolley

In certain modes you may control the device in real time using the **Joystick** and **[D1]**, **[D2]** dials.

The **[D1]** dial allows to adjust the speed of the trolley. It may also be used to control the speed during the slide.

The **[D2]** dial allows to adjust the speed damping parameter (acceleration and deceleration of the trolley).

The **Joystick** lets you control motion. Move it left or right to move the trolley. Please note that you may also use **[D1]**, **[D2]** dials during the slide.

The controller screen displays the current state of the device including speed, max speed, damping (acceleration) and trolley position with 0.1mm accuracy.

3.8 Using the emergency break feature

In the free ride mode as well as in other modes where the trolley movement is possible, there are two ways to stop the trolley and avoid hitting the end of the track.

1   Move the joystick quickly to in the opposite direction - the speed damping parameter will be ignored and the trolley will change direction immediately.

2   Press the joystick - the trolley will stop immediately.

Note: the DitoGear™ OmniSlider prevents the trolley from hitting the end of the track, provided that it is properly calibrated. The automatic motion stop is immediate. Hitting the end of the track or immediate stop with heavy load at high speeds may damage your equipment!

Important Note! on operating the DitoGear™ OmniSlider Servo with AC/DC power adapter.

When operating at speeds above 85% and the trolley reaches the calibration limit or when the emergency break is triggered, the system sends an immediate stop signal to the motor. The energy of the motor has to be released and therefore, generates high current. This may cause the DC adapter's protection to cut the power off. The controller will reset. Please use high speeds carefully and avoid immediate stops.

4. Video Modes

4.1 Free ride mode

Free ride is a basic operation mode suitable for real time filming purposes and shot rehearsing. Similar operation patterns are used across other modes such as motion recording.

To access free ride mode select
Home » Video » Free ride.
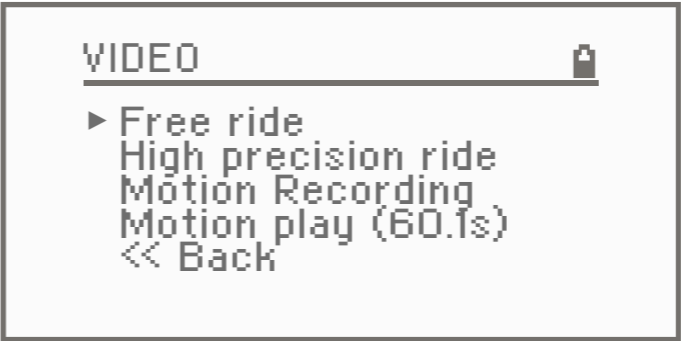
You may control the trolley using the joystick and dials as described in **Controlling the trolley.**
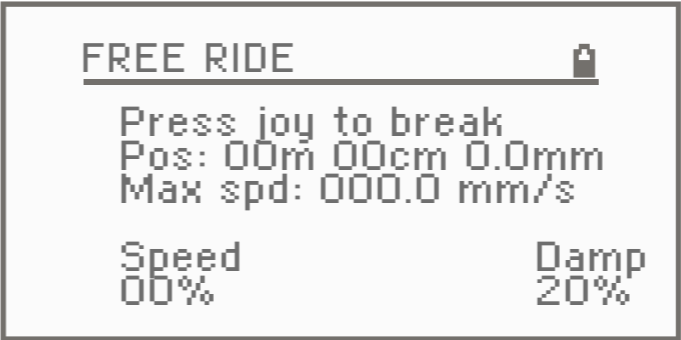
Maximum speed in free ride mode is approximately 280mm/s.

Note: the emergency stop is triggered by pressing the joystick.

The following screen confirms the end of free ride mode operation.
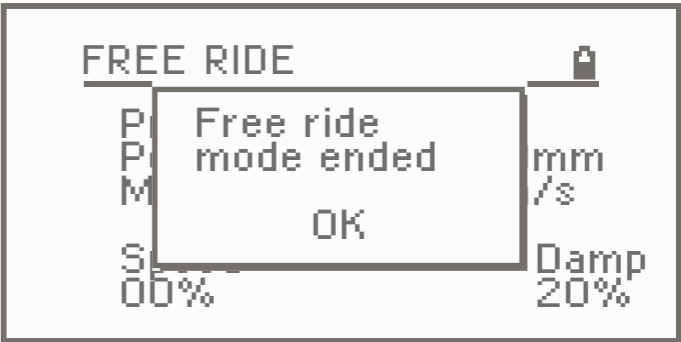
4.2 High Precision Ride

High Precision Ride is similar to Free Ride mode but allows you to operate within limited speed range, thus it is suitable for shooting macro or for other precision-demanding applications.

To access free ride operation mode select **Home » Video » High precision ride**.

```
VIDEO                        🔒
━━━━━━━━━━━━━━━━━━━━━━━━━
  Free ride
▶ High precision ride
  Motion Recording
  Motion play (60.1s)
  << Back
```
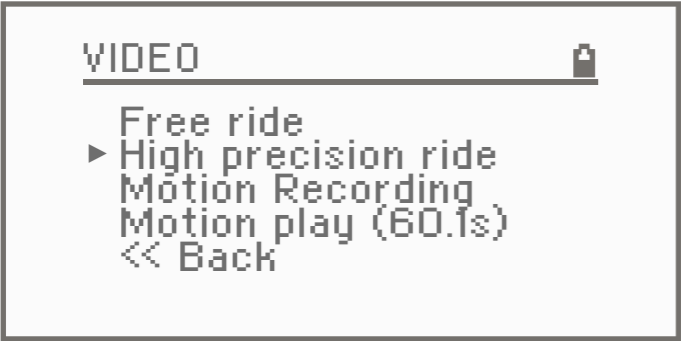
You may control the trolley using joystick and dials as described in **Controlling the trolley.**

```
HIGH PRECISION               🔒
━━━━━━━━━━━━━━━━━━━━━━━━━
  Press joy to break
  Pos: 00m 00cm 0.0mm
  Max spd: 000.0 mm/s

  Speed                 Damp
  00%                   20%
```

Maximum speed in high precision ride mode is approximately 70mm/s.

Note: the emergency stop is triggered by pressing the joystick.

The following screen confirms end of high precision mode operation.

```
HIGH PRECISION               🔒
━━━━━━━━━━━━━━━━━━━━━━━━━
  P┌─────────────┐
  P│   High      │   mm
  M│  precision  │   /s
   │ mode ended  │
   │     OK      │
  S└─────────────┘   Damp
  00%                   20%
```

5. Motion recording & playback

5.1 Overview

DitoGear™ OmniSlider is capable of recording and playing back up to about 80 seconds of continuous motion. Recorded motion can be played back either in real time or with the time stretch applied.

Time stretch may be used for more demanding timelapse, stop motion, or real time filming shots.
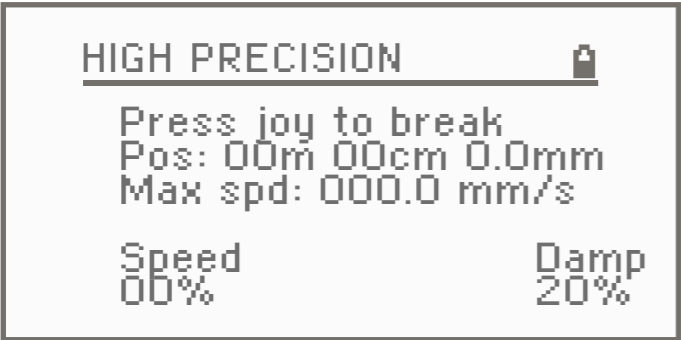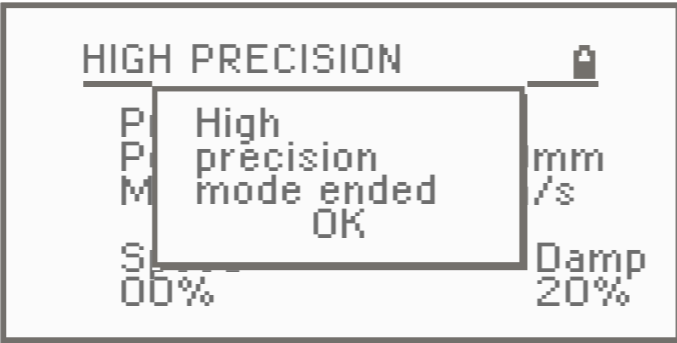
There is one persistent memory bank for recording, so it does not reset after power cutoff.

Please note that the recorded motion might differ slightly from your real time performance due to the data reduction and interpolation methods. However, each time you play back the recorded program, it will play in fully repeatable manner allowing for sophisticated shots and special effects.

5.2 Accessing Motion recording mode

To access motion recording features select **Home » Video » Motion Recording**

```
VIDEO                        🔒
━━━━━━━━━━━━━━━━━━━━━━━━━
  Free ride
  High precision ride
▶ Motion Recording
  Motion play (60.1s)
  << Back
```

5.3 Recording motion

```
MOTION REC                   🔒
━━━━━━━━━━━━━━━━━━━━━━━━━
  Press joy to break
  Pos: 00m 00cm 0.0mm
  Max spd: 000.0 mm/s

  Speed   Time      Damp
  00%     00.0s     20%
```
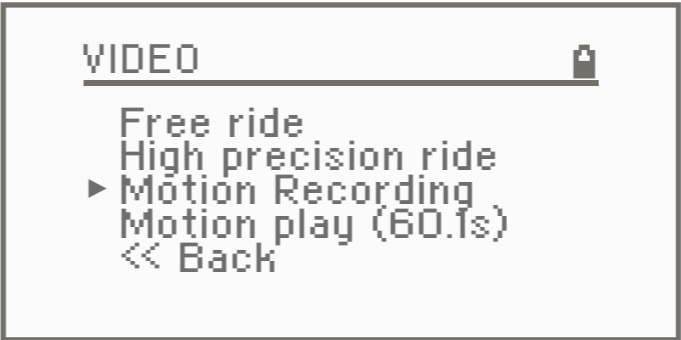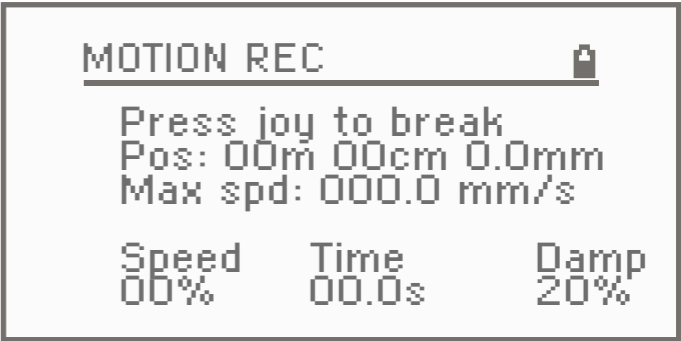
After selecting the Motion recording mode the current position of the trolley is registered as home position. All playback will be started from that position.

In addition to common readouts, the Motion recording screen displays additionally elapsed recording time.

The recording starts as soon as you move the joystick for the first time. Changing the **[D1]** or **[D2]** dials at the starting screen prior to moving trolley will not trigger recording.

You may either use the full recording buffer available or stop recording anytime by pressing the joystick. It is good practice to leave a 2 second gap prior to confirming the end of recording.

Note: Emergency stop is triggered by pressing joystick.

When the recording is completed, the notification screen appears showing data saving progress.

```
MOTION REC                🔒
P
P   Saving path      mm
M   please wait...   /s

S                    Damp
00%      00.0s       20%
```
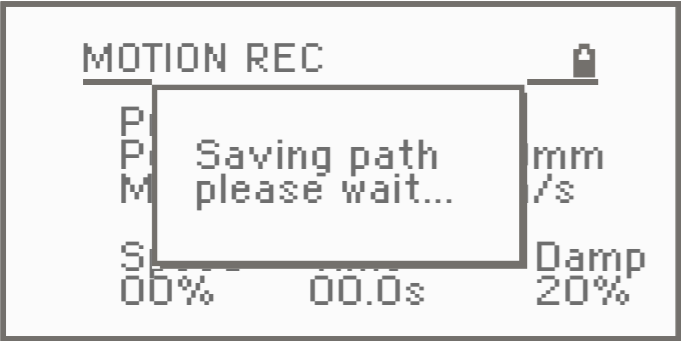
The following screen confirms the end of saving data.

```
MOTION REC                🔒
P
P   Recording        m
M   mode ended       s

S        OK          amp
00                   0%
```

5.4 Playing back motion

To access motion playback features navigate to: **Home » Video » Motion Playback**

```
VIDEO                     🔒

    Free ride
    High precision ride
    Motion Recording
  ▶ Motion play (60.1s)
    << Back
```
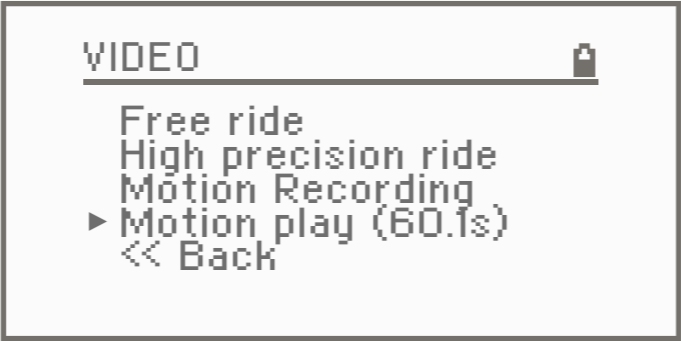
The number in brackets next to menu item indicates the length of the current recording.

There are 5 main motion playback options:

Realtime mode plays back motion in real time.

Slow motion mode plays back motion slowly, stretched by a specific factor.

Timelapse continuous mode allows for use of recorded motion as a basis for continuous timelapse sequence.

Timelapse DSD mode allows for use of recorded motion as a basis for a drive-shoot-drive timelapse sequence.

5.5 Realtime playback

To play back recorded motion select **Home » Video » Motion Playback » Realtime**

```
MOTION PLAYBACK           🔒

  ▶ Realtime
    Slow motion
    Stop motion
    Timelapse continous
    Timelapse DSD
    ▼
```

You will be prompted to get back to home position and thereafter, the playback starts.

```
MOTION PLAYBACK           🔒

  ▶ R
    S  ▶ Back home
    S    << Back
    T
    T
    ▼
```

Playback progress is displayed on the following screen:

```
MOTION PLAYBACK           🔒
  ▶ R
    S   Time:
    S   03.0s of 00.0s
    T
    T
    ▼
```

Note: the emergency stop is triggered by pressing the joystick.

The following screen confirms end of motion playback mode.

```
MOTION PLAYBACK           🔒
  ▶ R
    S   Realtime
    S   playback
    T   mode ended
    T      OK
    ▼
```
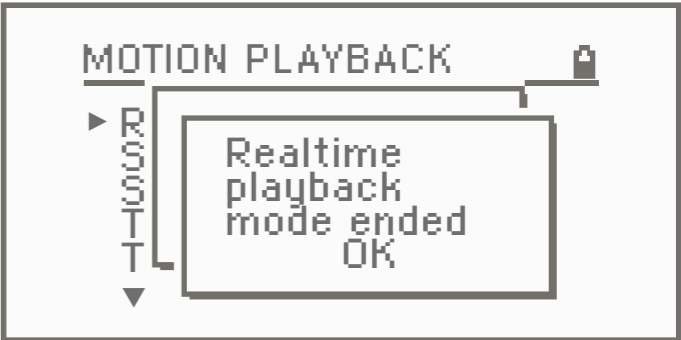
5.6 Slow motion playback

To access slow motion playback mode navigate to:
Home » Video » Motion Playback » Slow Motion

```
MOTION PLAYBACK        🔒
  Realtime
▶ Slow motion
  Stop motion
  Timelapse continous
  Timelapse DSD
  ▼
```

```
MOTION PLAYBACK        🔒
  R
▶ S   ▶ Set factor
  S     Back home
  T     Go!
  T     << Back
  ▼
```

Set Factor option allows you to set the desired stretch factor of the recording. The playback time will be multiplied by an integer of your choice.

As soon as you are ready, select **Back home** and the playback will be started thereafter.

Playback progress is displayed on the following screen:

```
MOTION PLAYBACK        🔒
▶ R
  S   Time:
  S   03.0s of 00.0s
  T
  T
  ▼
```
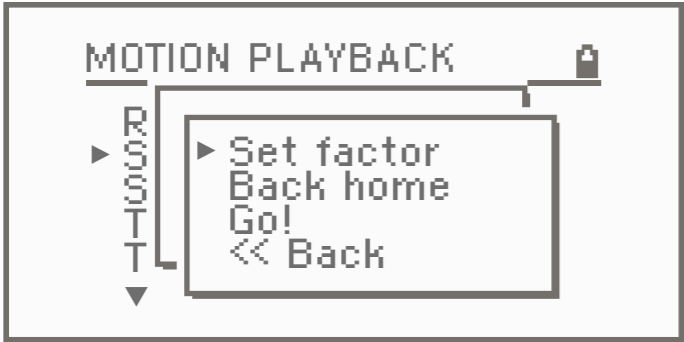
Note: the emergency stop is triggered by pressing the joystick.

The following screen confirms end of motion playback mode.

```
MOTION PLAYBACK        🔒
  R
▶ S   Slow motion
  S   playback
  T   mode ended
  T        OK
  ▼
```

5.7 Stop motion playback

To access slow motion playback mode navigate to:
Home » Video » Motion Playback » Stop Motion

```
MOTION PLAYBACK        🔒
  Realtime
  Slow motion
▶ Stop motion
  Timelapse continous
  Timelapse DSD
  ▼
```
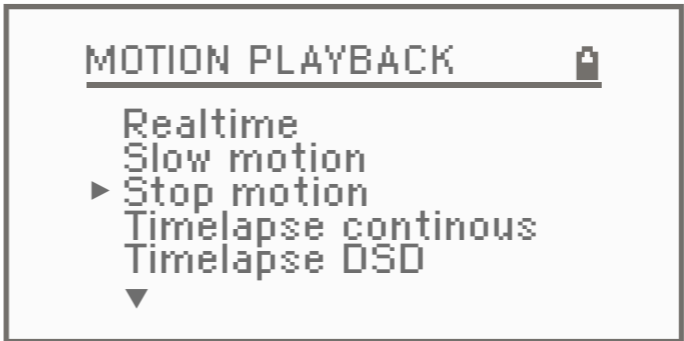
FPS option lets you select the desired FPS (frames per second) value to match your shooting standard.

```
STOP MOTION PBK        🔒
▶ FPS
  GO!
  Back home
  << Back
  ▼
```

```
STOP MOTION PBK        🔒
▶ F
  G    Set FPS
  B     025
  <<     ▲
  ▼
```
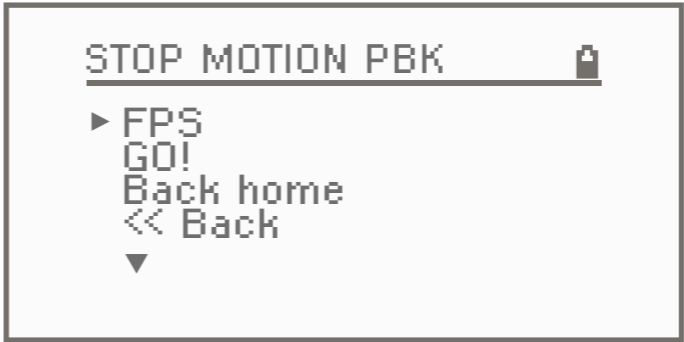
The controller will perform all necessary math operations to divide the recorded motion into the required amount of segments and steps so that your stop-motion sequence matches the original recording.

For example, if your total recorded time is three seconds and you work at 25 FPS, the total track will be divided into 75 steps.

Also note that this may be useful for compositing. You will be able to record one real time video shot, do another pass in stop motion mode and then composite those two passes seamlessly!

You may also enter different FPS rates to slow down a stop motion sequence - for example, setting 50 FPS while shooting for 25 FPS footage will double the exposures and may be useful in some situations.

When you're ready with your shot select the **Go!** option from the menu.

```
STOP MOTION PBK        🔒
  FPS
▶ GO!
  Back home
  << Back
  ▼
```
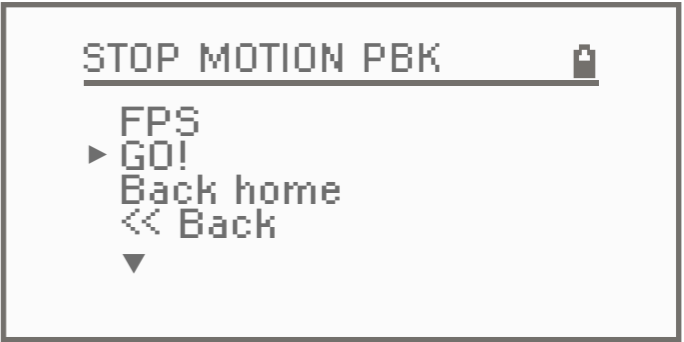
The following popup screen lets you take advantage of easy loop shooting.

```
STOP MOTION PBK          🔒
F ┌►Next (00000)
►G│ Shoot & Next
B │ Shoot (0)
<<│ << Back
  └
▼
```
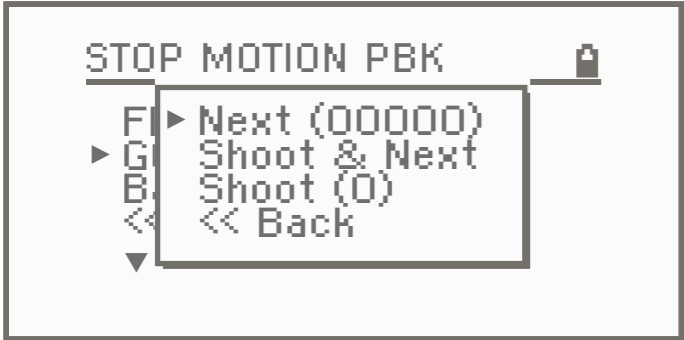
The **Next** option advances to the next step without triggering the shutter. The number in parentheses indicates the current shot number.

The **Shoot & Next** option will trigger the shutter and move to the next position.

The **Shoot** option will trigger the shutter as many times as pressed. The number in parentheses indicates the number of shots taken since last move.

The following screen confirms end of motion playback mode.

```
STOP MOTION PBK          🔒
F ┌──────────────┐
►G│ Stop motion  │
B │ playback     │
<<│ mode ended   │
▼ │      OK      │
  └──────────────┘
```

5.8   Timelapse continuous playback

To access timelapse continuous playback navigate to: **Home » Video » Motion Playback » Timelapse contiunuous**

```
TIMELAPSE PBK          🔒

   Realtime
   Slow motion
   Stop motion
 ► Timelapse continous
   Timelapse DSD
 ▼
```

The continuous timelapse playback menu has similar features to standard timelapse. However, the direction feature is not present here because the playback is always performed starting at the home position along the recorded path.

```
TIMELAPSE PBK          🔒

 ► Exposure
   Interval (00m 01.0s)
   Shots (00250)
   Time (000d 00h 08m)
   Go!
 ▼
```

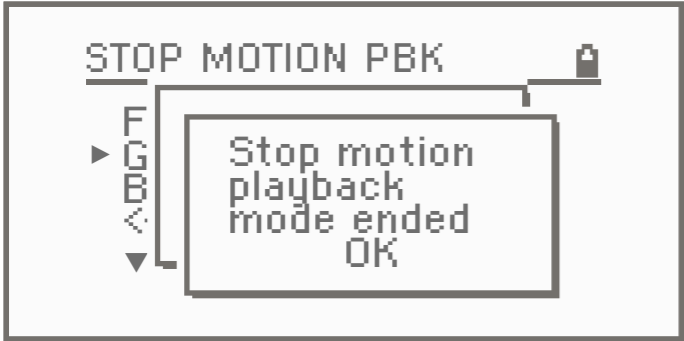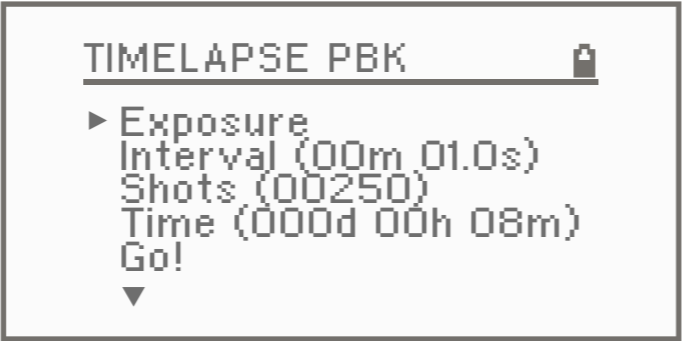You may set the Exposure time, the Interval time, and the total Shots. Adjusting the Time parameter will re-calculate the total Shots automatically.

```
TIMELAPSE PBK          🔒
 ►E┌──────────────┐
  In│ Set exposure │
  S │              │
  Ti│   0m 01.0s   │m)
  G │      ▲       │
 ▼  └──────────────┘
```

```
TIMELAPSE PBK          🔒
 ►E┌──────────────┐
  In│ Set interval │
  S │              │
  Ti│   0m 01.0s   │m)
  G │      ▲       │
 ▼  └──────────────┘
```

```
TIMELAPSE PBK          🔒
 ►E┌──────────────┐
  In│  Set shots   │
  S │              │
  Ti│    00250     │m)
  G │      ▲       │
 ▼  └──────────────┘
```

Note: the interval refers to the time between the end of one exposure and the start of the next. It is not the time between the start of one exposure and the start of the next.

In order to start playback once your sequence settings are set hit **Go!**.

You will be prompted to go back to the home position and then the timelapse playback starts.

```
TIMELAPSE PBK          🔒
 ►E┌──────────────┐
  In│ ► Back home  │
  S │   << Back    │
  Ti│      ▲       │m)
  G │              │
 ▼  └──────────────┘
```

The following screen shows the progress of the timelapse playback.

```
TIMELAPSE PBK          🔒
  E┌──────────────┐
  In│ Shot: 0003   │
  S │ of:   00250  │
  Ti│ Time left:   │m)
 ►G│ 000d 00h 08m │
 ▼  └──────────────┘
```

The following screen confirms end of continuous timelapse playback.

```
TIMELAPSE PBK           🔒
  E
  Ir
  S      Timelapse
  T      playback
▶ G      mode ended
  ▼         OK
```

Timelapse Drive-Shoot-Drive playback

To access timelapse DSD playback navigate to:
Home » Video » Motion Playback » Timelapse DSD

```
MOTION PLAYBACK         🔒

   Realtime
   Slow motion
   Stop motion
   Timelapse continous
 ▶ Timelapse DSD
   ▼
```

The drive-shoot-drive timelapse playback menu has similar features to standard timelapse. However, the direction feature is not present here as the playback because always performed from the home position along the recorded path.

```
TIMELAPSE DSD PBK       🔒

 ▶ Exposure (0m 01.0s)
   Interval (00m 01.0s)
   Shots (00250)
   Time (000d 00h 08m)
   GO!
   ▼
```
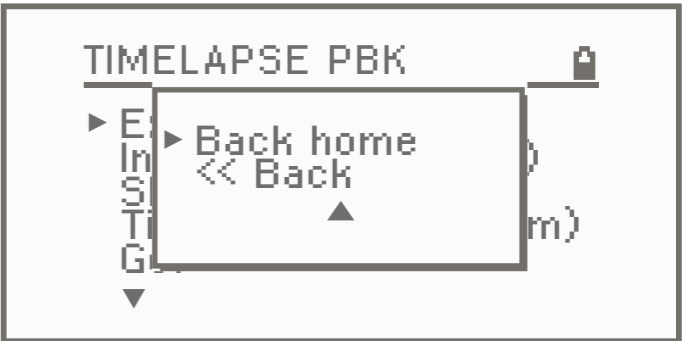
You may set the Exposure time, the Interval time, and the total Shots. Adjusting the Time parameter will re-calculate the total Shots automatically.
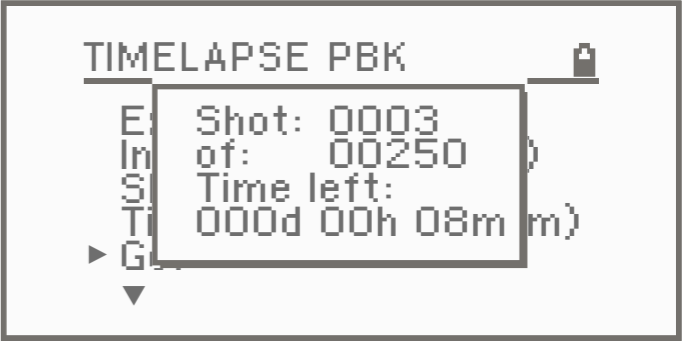
```
TIMELAPSE DSD PBK       🔒

 ▶ E   Set exposure    )
   In                  
   S     0m 01.0s      m)
   Ti         ▲        
   G
   ▼
```

```
TIMELAPSE DSD PBK       🔒

 ▶ In   Set interval   )
   S                   
   Ti    0m 01.0s      m)
   G          ▲        
   ▼
```

Note: the interval refers to the time between the end of one exposure and the start of the next. It is not the time between the start of one exposure and the start of the next.

In the DSD timelapse playback mode the interval must be set to at least 0.5s.

The following screen will notify you in the case that the interval is too short.

```
TIMELAPSE DSD PBK       🔒

 ▶ E                   
   Ir    Interval      
   S     should be     )
   T     greather      
   G
   ▼
```

```
TIMELAPSE DSD PBK       🔒

   E                   )
   In    Set shots     )
 ▶ S                   
   Ti    00250         m)
   G        ▲          
   ▼
```

```
TIMELAPSE DSD PBK       🔒

   E                   )
   In    Total time    )
   S    ▲000d 00h 00m  
 ▶ T    ▼03.4          m)
   G
   ▼
```

In order to start playback once your sequence settings are set hit **Go!**.

You will be prompted to go back to the home position and then the timelapse playback starts.

```
TIMELAPSE DSD PBK       🔒

   E                   )
   In ▶ Back home      
   S    << Back        
 ▶ Ti                  m)
   G
   ▼
```

The following screen shows the progress of the timelapse playback.

```
TIMELAPSE DSD PBK       🔒

   E    Shot: 0003     )
   In   of:   00250    )
   S    Time left:     
   Ti   000d 00h 08m   m)
 ▶ G
   ▼
```

The following screen confirms the end of DSD Timelapse Motion Playback.

```
TIMELAPSE DSD PBK    🔒
 E┌─────────────────┐
 Ir│   Timelapse     │
 S │   playback      │)
 T │   mode ended    │
▶G │      OK         │
 ▼└─────────────────┘
```

Notes on motion playback modes

1   The time stretching methods used in timelapse, slow motion and stop motion playback modes interpolate recorded data based on Bezier curves. The motion will be played back smoothly even if stretched significantly.

2   It is also recommended to avoid sudden acceleration to the top speeds and sudden changes in direction. Such fast changes may not be played back properly.

3   Due to technical limitations recorded programs can't be accelerated.

6.   Working Modes

6.1   Using Timelapse Continuous mode

The Timelapse Continuous mode allows for continuous motion and exposure control of the camera.

The camera shutter may be triggered either using the OmniSlider™ Controller (if you are using a compatible DSLR camera) or your own external intervalometer.
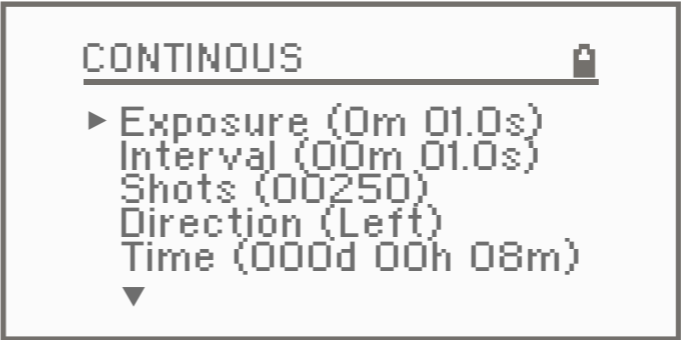
Accessing Timelapse Continuous mode

To access basic timelapse features navigate to: **Home » Timelapse » Continuous.**

```
TIMELAPSE             🔒

▶ Continous
  Drive-Shoot-Drive
  << Back
```
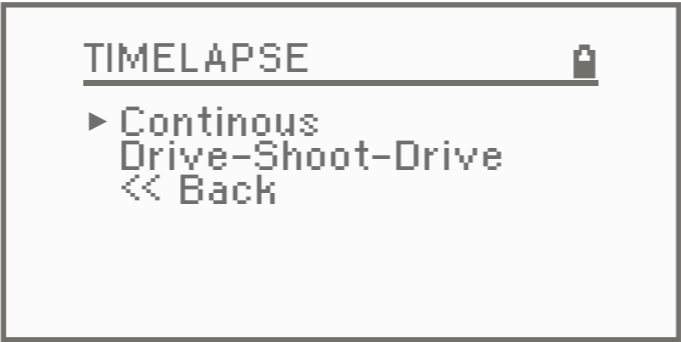
Understanding timelapse mode

In timelapse mode you may control the exposure time, interval, number of shots, direction and total travel time.

```
CONTINOUS             🔒

▶ Exposure (0m 01.0s)
  Interval (00m 01.0s)
  Shots (00250)
  Direction (Left)
  Time (000d 00h 08m)
▼
```

Note: the interval refers to the time between the end of one exposure and the start of the next. It is not the time between the start of one exposure and the start of the next.

Controlling the exposure time

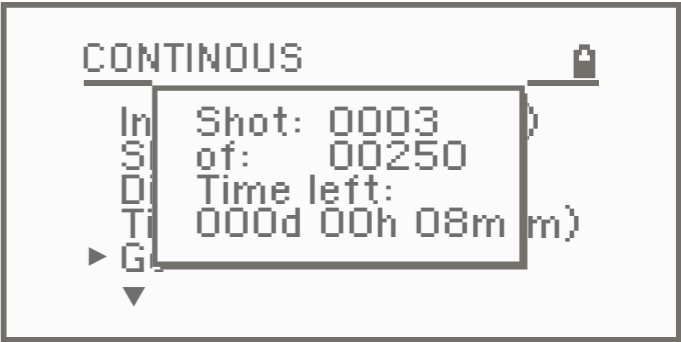The exposure time only works effectively if the camera is set to Bulb exposure mode.

If you prefer that the exposure parameters be controlled by the camera, please set the exposure time of the OmniSlider to 0.1s and set your camera to Manual or another non-bulb mode.

Setting up a continuous timelapse sequence

To set up a timelapse sequence, do the following:

4   Move the trolley to the starting position at the desired end of the track.

5   Navigate to the Timelapse Continuous menu as described above.

6   Select the exposure time, interval and number of shots.

7   Set the desired direction of the slide.

8   Optionally readjust the total time of the sequence. The number of shots will be adjusted to match your setting.

9   Select Go!

After starting the program you can track the progress on the following screen (similar to drive-shoot-drive timelapse mode):
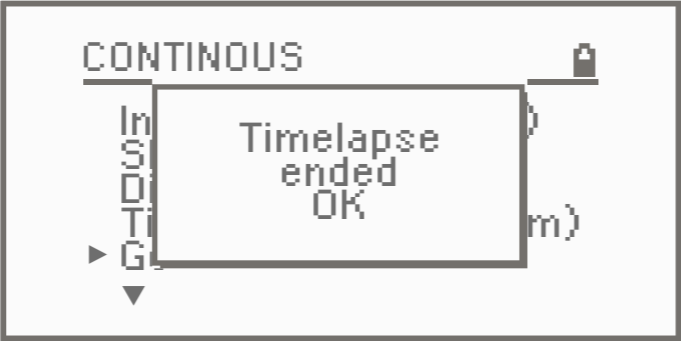
```
CONTINOUS             🔒

 In┌─────────────────┐)
 S │ Shot: 0003      │
 D │ of:   00250     │
 T │ Time left:      │m)
▶G │ 000d 00h 08m    │
 ▼└─────────────────┘
```

If you move the joystick up or down during the progress of the timelapse sequence, the additional parameters are displayed:

UP: displays current position and direction
DOWN: displays exposure and interval
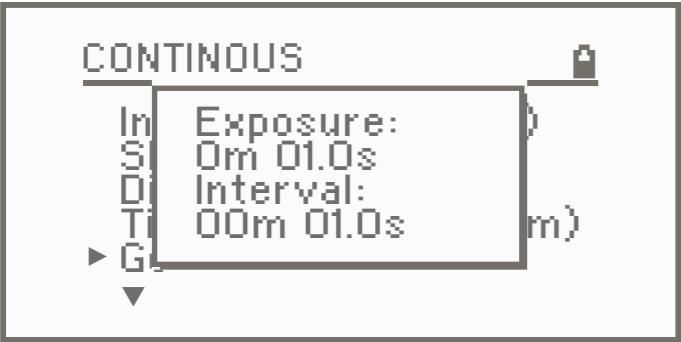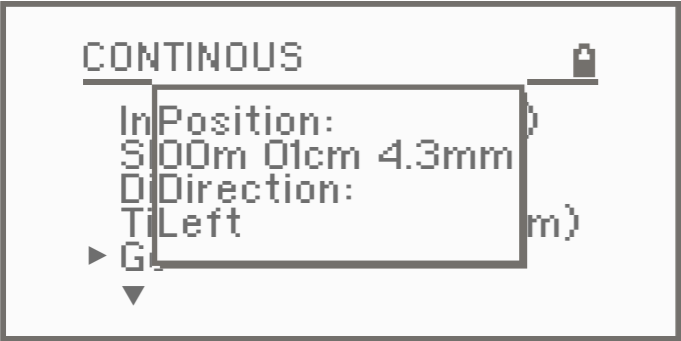
As soon as the timelapse program is finished the following information screen appears:

Multiple exposures

It is also possible to trigger multiple image sequences from the OmniSlider Controller. This may be useful either for shooting HDR, exposure-bracketed timelapse or multiple constant-exposure shots for noise reduction in post production.

To do so, set your camera to continuous shooting mode and set the exposure bracketing as desired.

In the OmniSlider Controller set the total exposure time to exceed slightly the total time of 3 exposures (or another number if your camera is capable of shooting more than 3 bracketed images in a row).

Note: if timelapse is started from the middle of the track and the trolley is about to move past the limits set by the calibration, the timelapse program will be aborted.

6.2 Using drive-shoot-drive timelapse mode

The drive-shoot-drive timelapse mode (DSD) works similarly to the basic timelapse mode, but the camera stops for each of shots.

Accessing drive-shoot-drive timelapse mode

To access drive-shoot-drive timelapse features select
Home » Timelapse » Drive-shoot-drive
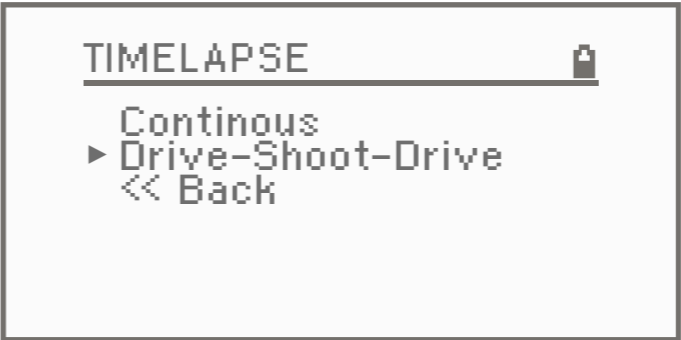
For instructions please refer to continuous timelapse mode documentation above in the manual.

The only important note here is that the minimal interval between shots must be greater than or equal to 0.5s.

6.3 Using Stop motion mode

The DitoGear™ OmniSlider is also capable of Stop motion operation. This mode allows you to control shots independently and move the trolley after each shot (or a series of shots) upon confirmation.

Accessing Stop motion mode

To access stop motion features navigate to:
Home » Stop Motion
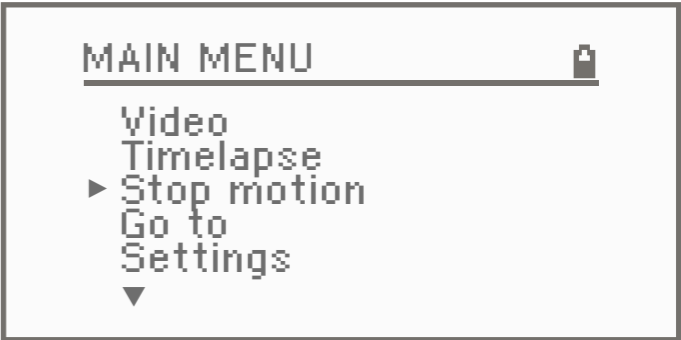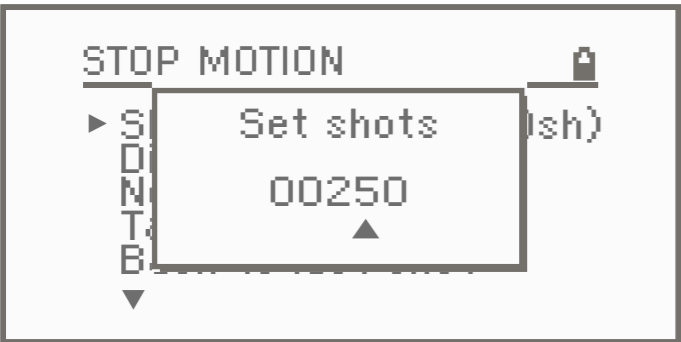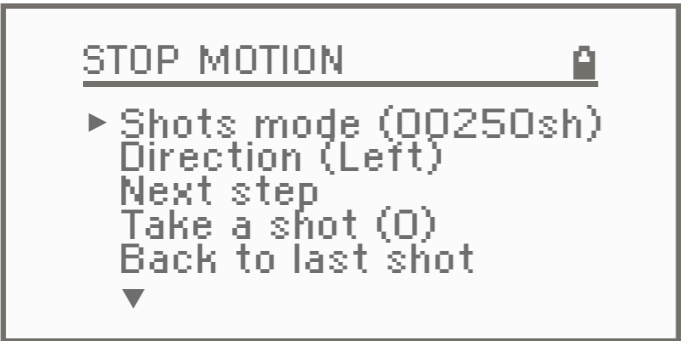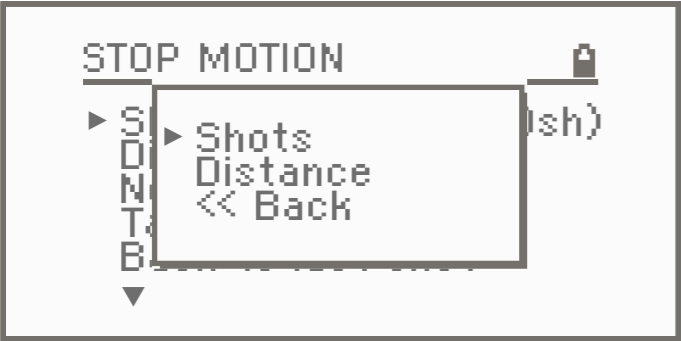

There are 2 operation modes: **Shots** and **Distance**. You may toggle stop motion modes by clicking on the first item of Stop motion menu.

Using Shots Stop motion mode

The Shots Stop motion mode allows for manual control over the number of shots across the calibrated track length. The calibrated track length will be divided into even steps depending on the number of shots entered.

Setting up the number of shots

To set the number of shots select the first item in the Stop Motion menu, select Shots and enter the desired number of shots.
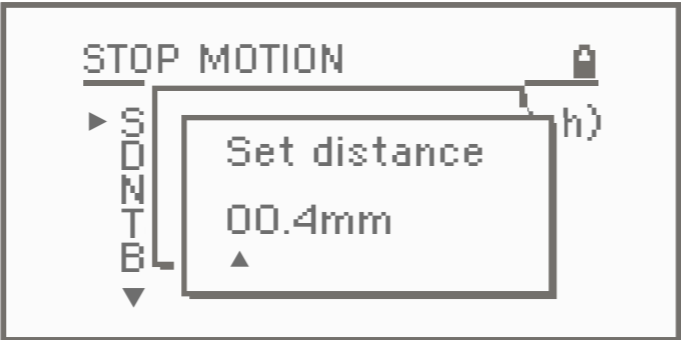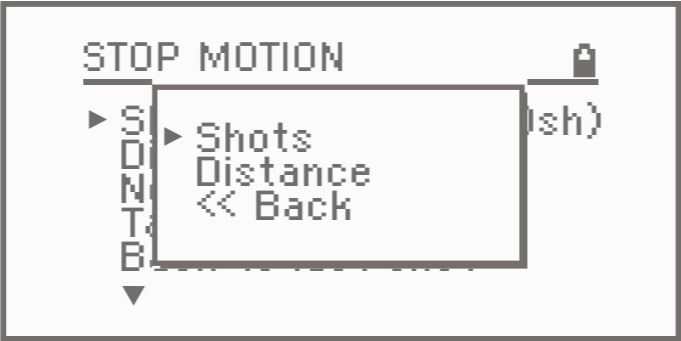
```
STOP MOTION              🔒
  ▸ S┌─────────────────┐sh)
    D│ ▸ Shots         │
    N│   Distance      │
    T│   << Back       │
    B└─────────────────┘
    ▼
```

```
STOP MOTION              🔒
  ▸ Shots mode (00250sh)
    Direction (Left)
    Next step
    Take a shot (0)
    Back to last shot
    ▼
```

```
STOP MOTION              🔒
  ▸ S┌─────────────────┐sh)
    D│   Set shots     │
    N│                 │
    T│    00250        │
    B│      ▲          │
    ▼└─────────────────┘
```
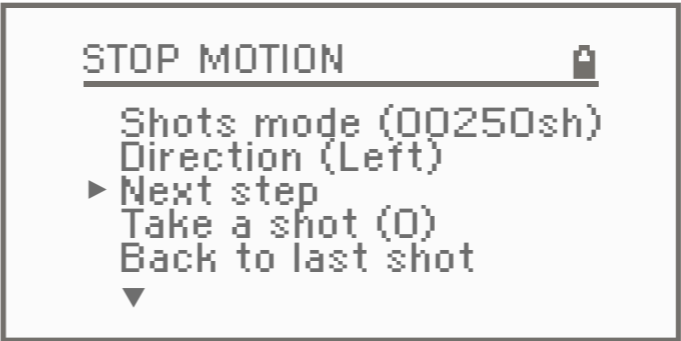
Using Distance Stop motion mode

The Distance Stop motion mode allows for manual control over the travel distance of the trolley between each shot.

Setting up the travel distance

You may control the step distance with 0.1mm accuracy. To set the distance select the first item in the Stop Motion menu, select Distance and enter the desired distance value.

```
STOP MOTION              🔒
  ▸ S┌─────────────────┐sh)
    D│ ▸ Shots         │
    N│   Distance      │
    T│   << Back       │
    B└─────────────────┘
    ▼
```

```
STOP MOTION              🔒
  ▸ S┌─────────────────┐h)
    D│                 │
    N│   Set distance  │
    T│                 │
    B│   00.4mm        │
    │      ▲          │
    ▼└─────────────────┘
```
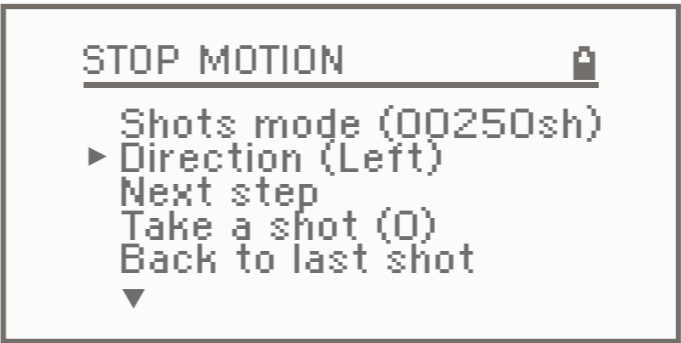
After setting the step distance to desired value, the number next to the **Next Step** item will be updated showing the absolute position of next step.

```
STOP MOTION              🔒
    Shots mode (00250sh)
    Direction (Left)
  ▸ Next step
    Take a shot (0)
    Back to last shot
```

Setting up the direction

To toggle the direction of motion select **Home » Stop motion » Direction**

```
STOP MOTION              🔒
    Shots mode (00250sh)
  ▸ Direction (Left)
    Next step
    Take a shot (0)
    Back to last shot
    ▼
```

The current direction is displayed in the parentheses.

Taking a shot

Once your scene is set up properly, you are ready to take a shot.

To do so, select **Home » Stop Motion » Take a shot**.

```
STOP MOTION              🔒
    Shots mode (00250sh)
    Direction (Left)
    Next step
  ▸ Take a shot (0)
    Back to last shot
    ▼
```
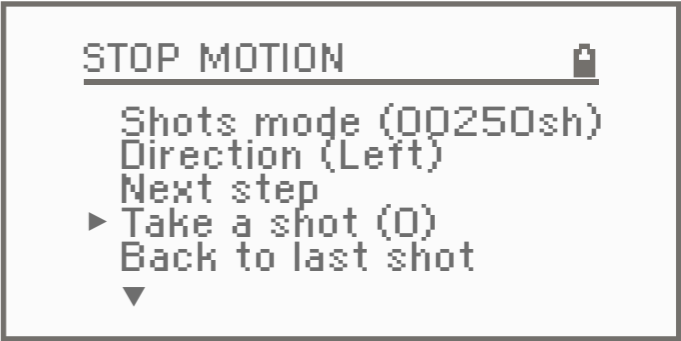
The following screen confirms that the shot has been taken.

```
STOP MOTION              🔒
  S┌─────────────────┐sh)
  D│   Shot Taken    │
  N│                 │
  ▸ T│      OK        │
  B└─────────────────┘
  ▼
```
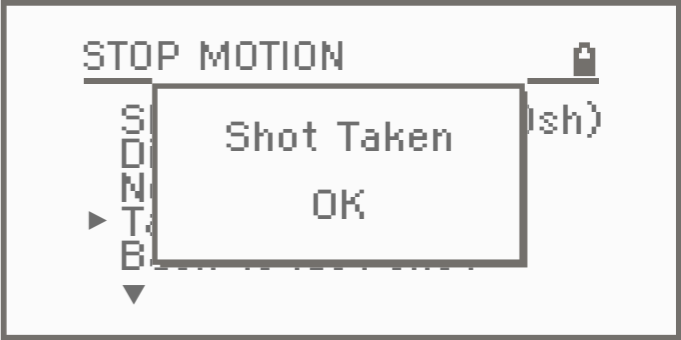
You may also want to take multiple exposures per step. To do so, simply press the **Take a shot** menu option again.

The number in parentheses indicates the number of shots taken since the trolley moved to the current position.

Moving to next position

When you're done shooting it's time to move to the next position.

You can optionally change the distance and then select **Next Step** to advance to next position.

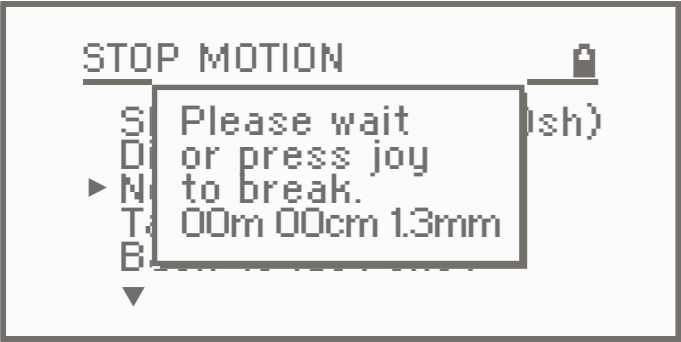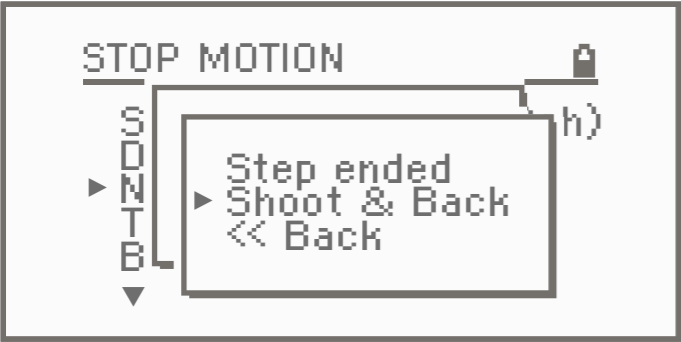The following screen is displayed while the trolley moves to the next position.

```
STOP MOTION            🔒
  S┌──────────────────┐sh)
  D│ Please wait      │
▶ N│ or press joy     │
  T│ to break.        │
  B│ 00m 00cm 1.3mm   │
  ▼└──────────────────┘
```
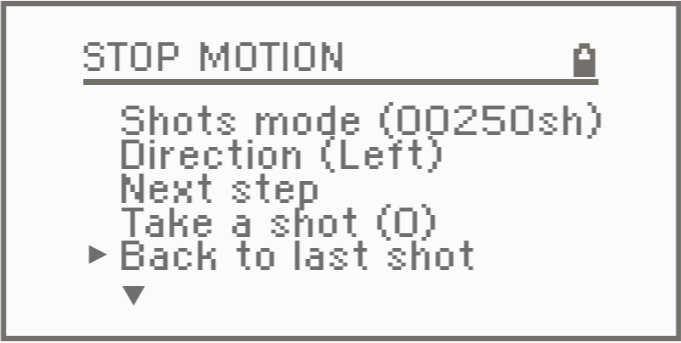
The following pop-up screen confirms that the step has been made. You may either take a shot and go back to the last menu (to make one shot per step loop work easier) or go back to previous menu without triggering a shot.

```
STOP MOTION            🔒
  S┌──────────────────┐
  D│                  │h)
▶ N│ Step ended       │
  T│▶ Shoot & Back    │
  B│ << Back          │
  ▼└──────────────────┘
```
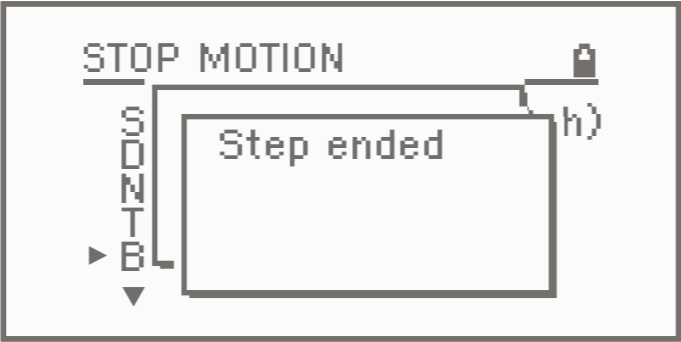
Moving to the last position

It is also possible to get back to the previous position in case you need to redo the shot.

To do so, select
Home » Stop motion » Back to last shot

```
STOP MOTION            🔒

    Shots mode (00250sh)
    Direction (Left)
    Next step
    Take a shot (0)
  ▶ Back to last shot
    ▼
```

The following screen confirms reaching the position of previous step:

```
STOP MOTION            🔒
  S┌──────────────────┐
  D│                  │h)
  N│ Step ended       │
  T│                  │
▶ B│                  │
  ▼└──────────────────┘
```
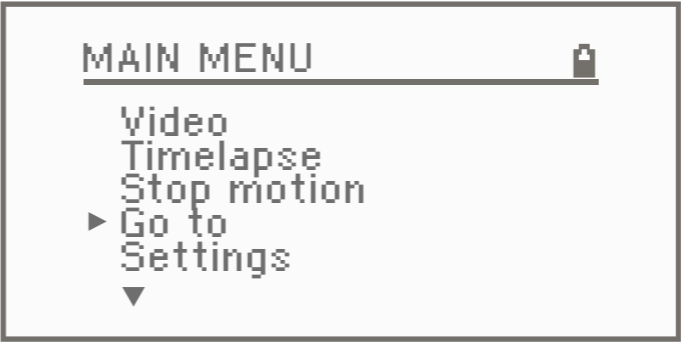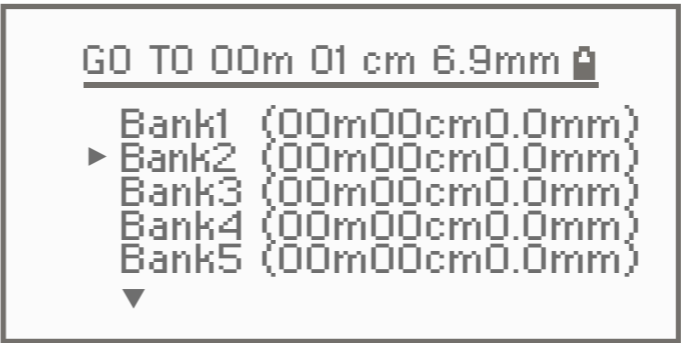
Using Go To mode

The DitoGear™ OmniSlider is featured with 5 persistent memory banks allowing storage of five different positions of the trolley and recalling them easily.

Accessing Go To mode

To access Go To mode, navigate to:
Home » Go To

```
MAIN MENU              🔋

    Video
    Timelapse
    Stop motion
  ▶ Go to
    Settings
    ▼
```

The following screen appears showing available memory banks with stored positions as well as the current position of the trolley.

```
GO TO 00m 01 cm 6.9mm 🔒

    Bank1  (00m00cm0.0mm)
  ▶ Bank2  (00m00cm0.0mm)
    Bank3  (00m00cm0.0mm)
    Bank4  (00m00cm0.0mm)
    Bank5  (00m00cm0.0mm)
    ▼
```

Storing position in memory

In order to store a position in one of memory banks do the following:

1   Make sure you are in the main screen of the Go To mode listing available banks.

2   Move the trolley to the desired position

3   Select a bank of your choice and select **Store Position** from the pop-up menu.

```
GO TO 00m 01 cm 6.9mm 🔒
  B┌──────────────────┐0mm)
  B│ Go to pos.       │0mm)
▶ B│▶ Store pos.      │0mm)
  B│ << Back          │0mm)
  B│                  │0mm)
  ▼└──────────────────┘
```

The following screen confirms that the position has been stored.

```
GO TO 00m 01 cm 6.9mm 🔒
  B┌──────────────────┐mm)
  B│    Position      │nm)
▶ B│     stored       │nm)
  B│                  │nm)
  B│      OK          │nm)
  ▼└──────────────────┘
```

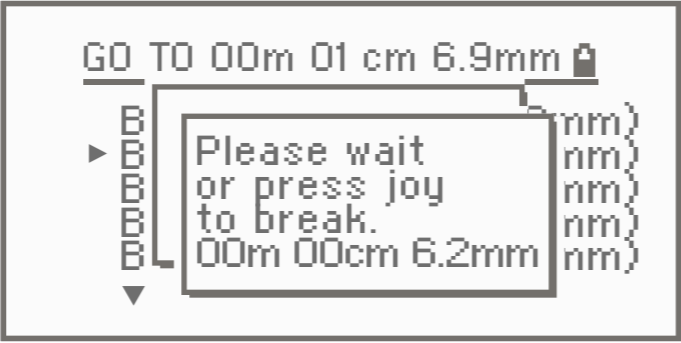The absolute position will be displayed next to bank name confirming that the data has been saved.

Navigating to stored position

In order to move the trolley to a stored position, do the following:

1 Navigate to **Home » Go To**

2 Select a bank of your choice

3 Select **Go To Position** from the pop-up menu.

```
GO TO 00m 01 cm 6.9mm 🔒
  B▶Go to pos.    0mm)
▶ B  Store pos.   0mm)
  B  << Back      0mm)
  B                0mm)
  B              0mm)
  ▼
```

The following screen displays the progress of the move. You may abort it by pressing the joystick.

```
GO TO 00m 01 cm 6.9mm 🔒
  B              nm)
▶ B  Please wait  nm)
  B  or press joy nm)
  B  to break.    nm)
  B  00m 00cm 6.2mm nm)
  ▼
```

The following screen confirms that the position has been reached.

```
GO TO 00m 01 cm 6.9mm 🔒
  B              nm)
▶ B  Position     nm)
  B  achieved     nm)
  B                nm)
  B     OK        nm)
  ▼
```

7. Overview of the Settings menu

To access the settings menu choose **Home » Settings**

```
MAIN MENU          🔒
    Video
    Timelapse
    Stop motion
    Go to
  ▶ Settings
  ▼
```

The following options are available:

```
SETTINGS           🔒
  ▶ Calibration
    Length
    Mirror
    Controlled devide
    Backlight
  ▼
```
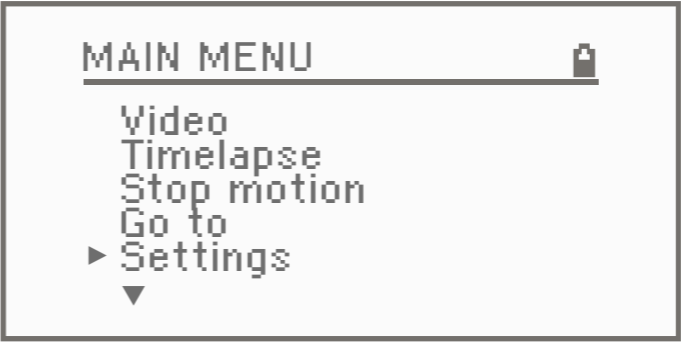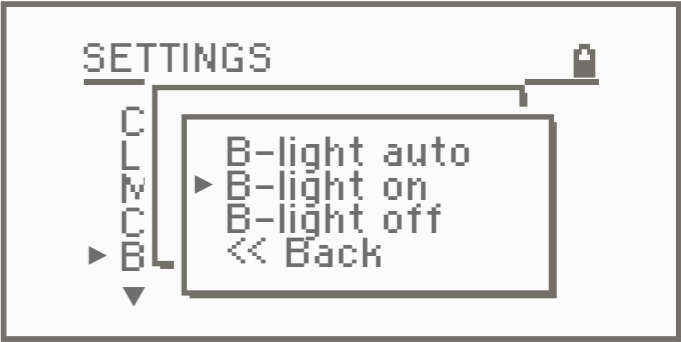
Calibration, Length, Mirror and Controlled device options has been described in previous chapters.

Using backlight options

The **Backlight** option lets you switch between different backlight options.

```
SETTINGS           🔒
  C
  L   B-light auto
  M ▶ B-light on
  C   B-light off
▶ B   << Back
  ▼
```
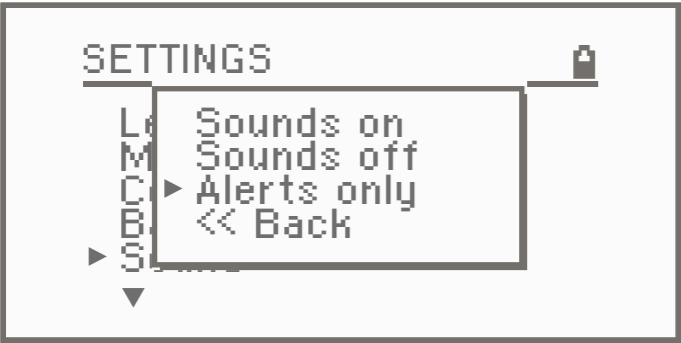
In **Backlight Auto** mode the the LCD display will be dimmed automatically after a certain period of time if the device is not operated. Use this option to maximize battery life and avoid unnecessary light artifacts on your long exposure timelapse shots.

In **Backlight On** option, the LCD backlight always remains on.

In **Backlight Off** option the LCD backlight always remains off. Please note that it might be difficult to read the screen in this mode so use it carefully.

Using Sounds options

The sounds menu allows you to set the sound preferences.

```
SETTINGS                    🔒
L┌─────────────────┐
M│  Sounds on       │
C│▶ Sounds off      │
B│  Alerts only     │
▶S│  << Back         │
 └─────────────────┘
▼
```

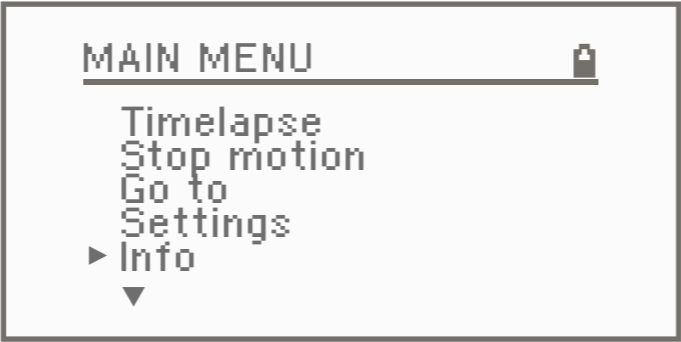In the **Sounds On** mode all controller commands will be associated with audible sounds.

In the **Sounds Off** mode no sounds will be used.

In the **Alerts Only** mode the controller will emit sounds only for critical events such as confirmations or reaching limits.

Note: regardless of the sound setting in the controller, the DitoGear™ OmniSlider Servo main circuit board, located in the motor box, will emit sound signals in case of motor overheating or stalls.

Checking the firmware version

In order to check the firmware version and build, navigate to: **Home » Info**

```
MAIN MENU                   🔒

   Timelapse
   Stop motion
   Go to
   Settings
 ▶ Info
   ▼
```

```
Dito Gear
www.ditogear.com

ver. OS130401LIRJ
```

Motor warning signals and behaviors.

The DitoGear™ OmniSlider Servo is equipped with an internal controller protecting the motor from damage in result of excessive load.

When the motor approaches the performance limit you will hear a short repeating beep from the motor box. It indicates that the motor is working under high payload and is close to its limits.

When an excessive load is put on the slider or the slider is not properly calibrated and the motor tries to move against the track end, the motor controller will prevent the damage to the motor by cutting the power off. You will hear the continuous beep sound coming from the motor box. It indicates the motor stall.

In this situation you need to disconnect power, wait 10 seconds and restart the device.

Taking the above into account, calibrate the device carefully.

Emergency run function

In case of any abnormal operation of the OmniController, you may try to start up the OmniController without reading the previously saved parameters.

Some issues may arise due to damaged, faulty or corrupted settings records present in the memory.

In order to run the OmniController emergency do the following:

1 Power off the device

2 Wait 15 seconds

3 Connect the controller to the slider

4 Press and hold joystick

5 Turn on the power while the joystick is still pressed.

Troubleshooting your DitoGear™ OmniSlider

Prior to contacting support please check the following common issues and solutions.

The controller is dim and does not respond. The trolley does not move.

Ensure the power cable is connected, the battery is not depleted and the controller cable is connected to the device. Check that the cables are not damaged. Turn off the device and turn it on after ten seconds.

The slider produces louder sound and the trolley does not move fluently.

This is a normal behaviour of the motor when the power supply level is low. Charge or replace the battery. If using a 3rd party DC adapter make sure it provides at least 12V 2A power for DitoGear™ OmniSlider Stepper and 12V 5A for DitoGear™ OmniSlider Servo.

Technical specifications

The kit contents

The standard DitoGear™ OmniSlider kit includes:

- 1x Main DitoGear™ OmniSlider unit
- 1x DitoGear™ OmniSlider Controller
- 1x 110/220V AC/DC power supply adapter
- 1x 12V/14Ah gel type battery
- 1x 12V Battery charger
- DitoGear™ OmniSlider battery softcase with power cable and fuse
- 2x 3/8"-threaded tripod adapter plates (already mounted on the slider)
- 1x camera adapter plate (3/8" bolt, already mounted on the slider)
- a set of keys and spare fuses
- Controller to slider RJ45 signal cable (3m)
- A shutter release cable of chosen type (3m)

Dimensions and weights - DitoGear™ OmniSlider Stepper

DitoGear™ OmniSlider Controller	106(75) x 187 × 50 mm, approximately 600 g
DitoGear™ OmniSlider Battery:	151 × 98 × 95 mm, 3597 g

Model	Travel length [mm]	Total length [mm]	Width [mm]	Total Height [mm]	Rail height [mm]	Weight [kg]
DitoGear™ OmniSlider 0.5m	513.00	780.00	70.00	127.00	42.00	5.8
DitoGear™ OmniSlider 1.0m	1 033.00	1 300.00	70.00	127.00	42.00	7.6
DitoGear™ OmniSlider 1.5m	1 513.00	1 780.00	70.00	127.00	42.00	10.1
DitoGear™ OmniSlider 2.0m	2 033.00	2 300.00	70.00	127.00	42.00	11.1
DitoGear™ OmniSlider 2.5m	2 513.00	2 780.00	70.00	127.00	42.00	12.4

Technical specifications table - DitoGear™ OmniSlider Stepper

Working speeds	minimum: 1m/999h in timelapse mode maximum: 1m/3.7s in video mode
Working track lengths	0.5m (1.64ft) to 2.5m (6.5ft)
Operation temperature range	-25°C to 45°C
Workload	up tp 25kg in horizontal operation mode up to 5kg in vertical operation mode
Power supply	10.5V – 24V DC
Current draw	0.8A – 2.5A (at 12V DC)
Battery operating time	up to 10h on a new and charged kit battery in timelapse mode at 15°C, about 2-3h on a new and charged kit battery in video mode at 15°C,
Operating temperature	-25°C to 45°C
Operating humidity	20% to 80%

Technical specifications table - DitoGear™ OmniSlider Servo

Working speeds:	min: 1m/450 days in timelapse mode
	max: 1m/3.85s in video mode
Positioning precision in StopMotion mode:	0.1mm = 10 000 steps/m
Working track lengths:	0.5m (1.64ft) to 2.5m (6.5ft)
Operation temperature range:	-25°C to 45°C
Workload:	70kg in horizontal operation mode
	12kg (15kg2) in vertical operation mode
Power supply:	11.4V – 14.4V DC
Current draw:	0.3A – 4A (at 12V DC)
Battery operating time	~ up to 40h (low payload, horizontal operation)
	~ up to 12h (estimated opertaion time in mixed mode & average payloads)
	~ 2-3h (under maximum workload, vertical operation, upwards)

8. Using 3rd Party Power Adapters

DitoGear recommends using original DitoGear™ AC/DC power adapters and batteries.
While using a 3rd party adapter make sure it meets the requirements detailed in technical specifications table.

Caution!
DitoGear is not responsible for any damage or failures caused by the use of a 3rd party power supply adapter.

9. Precautions for Safe Use of DitoGear™ Power Cables

Power cables cannot be looped during operation due to insufficient heat rejection that can cause melting of the cable insulation and ultimately its failure. Remember to disconnect all power cables after use, especially during transportation.

10. Using DitoGear™ Power Packs

DitoGear™ Power Pack 7Ah/14Ah and DitoGear™ PowerBox include gel type lead acid batteries, that have a low voltage operating limit. When you discharge the battery below that limit, the irreversible chemical processes occur and the recharging performance can be affected. It is recommended not to fully discharge the battery.

The lead acid battery will self-discharge slowly over time. Leaving the battery for more than 3 months without recharging may result in damage. Remember to recharge the battery at least every 3 months.

11. Obtaining Support

In case of any technical issues that can't be solved by carefully reading the manuals do not hesitate to contact us at support@ditogear.com

12. Limited Warranty

DitoGear One (1) Year Limited Warranty
For DitoGear Products Only

Consumer rights and restrictions.

For consumers, who are covered by consumer protection laws or regulations in their country of purchase or, if different, their country of residence, the benefits conferred by this warranty are in addition to all rights and remedies conveyed by such consumer protection laws and regulations. This warranty does not exclude, limit or suspend any rights of consumers arising out of non-conformity with a sales contract. However, as described below, DitoGear disclaims statutory and implied warranties to the extent permitted by law, and in so far as such warranties cannot be disclaimed, all such warranties shall to the extent permitted by law be limited in duration to the duration of the express warranty described below and to the repair or replacement service as determined by DitoGear in its sole discretion. Some states (countries and provinces) do not allow limitations on how long an implied warranty or condition may last, so the limitations described above may not apply to you. This warranty gives you specific legal rights, and you may also have other rights that vary from state to state (or by country or province). This limited warranty is governed by and construed under the laws of the country in which the product purchase took place. DitoGear, the warrantor, under this limited warranty stands for DitoGear™ Robert Paluch, ul.Krańcowa 30, 62-002 Suchy Las, Poland.

Warranty.

DitoGear's warranty obligations for this hardware product are limited to the terms set forth herein. DitoGear warrants this DitoGear-branded hardware product against defects in materials and workmanship under normal use for a period of one (1) year from the date of retail purchase by the original end-user purchaser ("Warranty Period"). If a hardware defect arises and a valid claim is received within the Warranty Period, at its option and to the extent permitted by law, DitoGear will either (1) repair the hardware defect at no charge, using new or refurbished parts that are equivalent to new in performance and reliability, (2) exchange the product with a product that is new or refurbished that is equivalent to new in performance and reliability and is at least functionally equivalent to the original product, or (3) refund the purchase price of the product. DitoGear may request that you replace defective parts with user-installable new or refurbished parts that DitoGear provides in fulfillment of its warranty obligation.

A replacement product or part, including a user-installable part that has been installed in accordance with instructions provided by DitoGear, assumes the remaining warranty of the original product or ninety (90) days from the date of replacement or repair, whichever provides longer coverage for you.

When a product or part is exchanged, any replacement item becomes your property and the replaced item becomes DitoGear's property. Parts provided by DitoGear in fulfillment of its warranty obligation must be used in products for which warranty service is claimed. When a refund is given, the product for which the refund is provided must be returned to DitoGear and becomes DitoGear's property.

Exclusions and limitations.

To the extent permitted by law, this warranty and the remedies set forth above are exclusive and in lieu of all other warranties, remedies and conditions, whether oral, written, statutory, express or implied. As permitted by applicable law, DitoGear specifically disclaims any and all statutory or implied warranties, including, without limitation, warranties of merchantability and fitness for a particular purpose and warranties against hidden or latent defects. If DitoGear cannot lawfully disclaim statutory or implied warranties then to the extent permitted by law, all such warranties shall be limited in duration to the duration of the express warranty (and to the repair or replacement service as determined by DitoGear in its sole discretion. Some states (countries and provinces) do not allow limitations on how long an implied warranty or condition may last, so the limitations described above may not apply to you. No DitoGear reseller, agent, or employee is authorized to make any modification, extension, or addition to this warranty. If any term is held to be illegal or unenforceable, the legality or enforceability of the remaining terms shall not be affected or impaired.

This Limited Warranty applies only to hardware products manufactured by or for DitoGear. The Limited Warranty does not apply to any non-DitoGear hardware products even if packaged or sold with DitoGear hardware. Manufacturers or suppliers, other than DitoGear, may provide their own warranties to the end user purchaser, but DitoGear, in so far as permitted by law, provides their products "as is".

DitoGear does not warrant that the operation of the product will be uninterrupted or error-free. DitoGear is not responsible for damage arising from failure to follow instructions relating to the product's use.

This warranty does not apply: (a) to consumable parts, such as batteries, unless damage has occurred due to a defect in materials or workmanship; (b) to cosmetic damage, including but not limited to scratches, dents and broken elements on ports; (c) to damage caused by use with non-DitoGear products; (d) to damage caused by accident, abuse, misuse, liquid contact, fire, earthquake or other external causes; (e) to damage caused by operating the product outside the permitted or intended uses described by DitoGear; (f) to damage caused by service (including upgrades and expansions) performed by anyone who is not a representative of DitoGear; (g) to a product or part that has been modified to alter functionality or capability without the written permission of DitoGear; (h) to defects caused by normal wear and tear or otherwise due to the normal aging of the product.

Except as provided in this warranty and to the extent permitted by law, DitoGear is not responsible for direct, special, incidental or consequential damages resulting from any breach of warranty or condition, or under any other legal theory, including but not limited to loss of use; loss of revenue; loss of actual or anticipated profits (including loss of profits on contracts); loss of the use of money; loss of anticipated savings; loss of business; loss of Opportunity; loss of goodwill; loss of reputation; loss of, damage to or any indirect or consequential loss or damage howsoever caused including the replacement of equipment and property. The foregoing limitation shall not apply to death or personal injury claims, or any statutory liability for intentional and gross negligent acts and/or omissions. Some states (countries and provinces) do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you.

Obtaining warranty service.

DitoGear will provide warranty service either (i) at an DitoGear Retail or DitoGear Authorized Service Provider ("ASP") location, where service is performed at the location, or the DitoGear Retail or ASP may send the product to an DitoGear repair service location for service, (ii) by sending you prepaid way bills (and if you no longer have the original packaging, DitoGear may send you packaging material) to enable you to ship the product to DitoGear's repair service location for service, or (iii) by sending you customer installable new or refurbished replacement product or parts to enable you to service or exchange your own product ("DIY Service"). Upon receipt of the replacement product or part, the original product or part becomes the property of DitoGear and you agree to follow instructions, including, if required, arranging the return of original product or part to DitoGear in a timely manner. When providing DIY Service requiring the return of the original product or part, DitoGear may require a credit card authorization as security for the retail price of the replacement product or part and applicable shipping costs. If you follow instructions, DitoGear will cancel the credit card authorization, so you will not be charged for the product or part and shipping costs.

If you fail to return the replaced product or part as instructed or the replaced product or part is not eligible for warranty service, DitoGear will charge the credit card for the authorized amount.

Please access and review the online help resources at the DitoGear website (www.ditogear.com) and contained in the product manual before requesting warranty service. If the product is still not functioning properly after making use of these resources, please contact DitoGear at support@ditogear.com.

Service options, parts availability and response times may vary according to the country in which service is requested. Service options are subject to change at any time. You may be responsible for shipping and handling charges if the product cannot be serviced in the country in which service is requested. If you seek service in a country that is not the country of purchase, you will comply with all applicable import and export laws and regulations and be responsible for all custom duties, VAT. and other associated taxes and charges. For international service, DitoGear may repair or exchange defective products and parts with comparable products and parts that comply with local standards. In accordance with applicable law, DitoGear may require that you furnish proof of purchase details before receiving warranty service.

13. Privacy

DitoGear will maintain and use customer information in accordance with the DitoGear Customer Privacy Policy available at ditogear.com/legal/privacy-policy/.

14. Miscellaneous

Trademarks and copyrights

DitoGear™, DitoGear™ OmniController, DitoGear™ Evolution, DitoGear™ Trito , DitoGear™ OmniSlider, DitoGear™ OmniHead and DitoGear™ LensDrive, DitoGear™ Modulo are trademarks of Dito Gear Robert Paluch ul.Krańcowa 30, 62-002 Suchy Las, Poland. Unauthorised use is strictly prohibited. All other trademarks referenced in this manual are used only for informative purposes and are property of their respective owners.

Disposal and recycling information

The device and all batteries included with it must be disposed of properly according to local laws and regulations. The product must be disposed of separately from the household waste. When your product reaches its end of life, contact DitoGear or your local authorities to learn about recycling options.