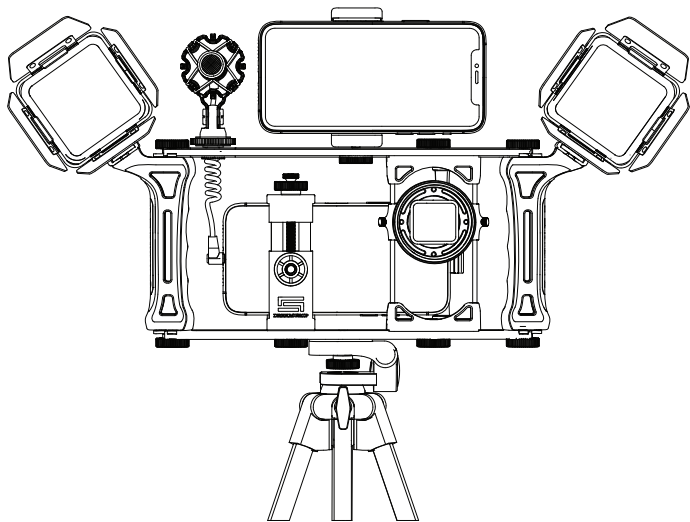


DREAMGRIP®

**Universal Modular
Transformable Video Rig
EVOLUTION Series**



USER MANUAL

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I. PRODUCT OVERVIEW

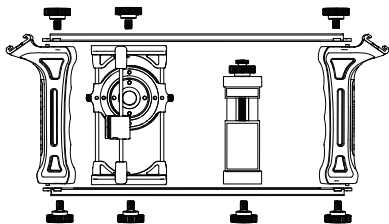
DREAMGRIP® Evolution is the Universal Transformable Rig system that helps you to use your smartphone as an HD camera with external accessories for better stabilization, enhanced light, better sound recording, optical effects, and more. **DREAMGRIP® Evolution** makes you able to film with several devices at the same time including SLR and Action cameras as well as with any smartphone.

II. KITS, MODULES, AND ELEMENTS

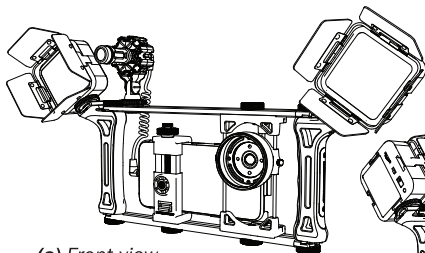
DREAMGRIP® Evolution FRAME features two molded ergonomic Grips for secure and convenient hold; two aluminum Tracks, Phone Holder(s), a set of standard ¼" Bolts, and accessories.

DREAMGRIP® Evolution PRO set features extra Optics Module with 52mm and 37mm threads, CPL and ND filters, 52mm hood extension, and extra connectors.

DREAMGRIP® Evolution MOJO is the most complete kit and also contains directional microphone with accessories, 2 LED lamps with detachable barndoors, and a few more accessories and connectors.

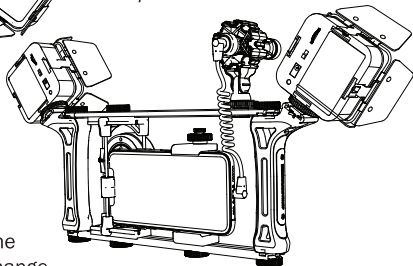


Pic.1 Evolution PRO Kit -
Main Elements



(a) Front view

NOTE: The actual content of each Kit may vary in different countries and the manufacturer reserves the right to change or amend it anytime without prior notice.

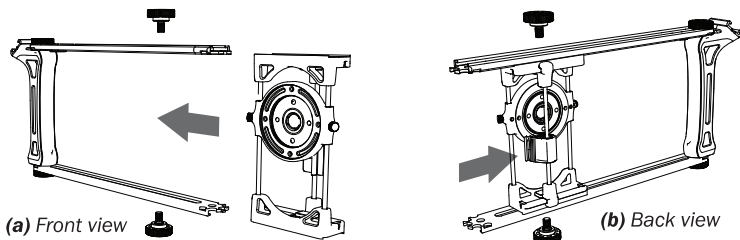


(b) Back view

III. ASSEMBLING AND DISASSEMBLING THE RIG

DREAMGRIP® Evolution Kits contain different accessories but any set could be assembled easily, and the process does not require any specific skills. You can use all or some of the Modules and Elements to build-up different setups. However, for the basic setup we recommend the sequence as below:

- 1) Connect a Grip with two Tracks and tighten them with two ¼” Bolts.
- 2) Slide the Optics Adapter between the tracks from the open side and tighten it with two Bolts through Track gaps as shown on **Pic.3**.
- 3) Attach the second Grip and tighten it with two Bolts as shown on **Pic.1**
- 4) Finally, attach Clamp Holder and fix it with the Bolt as shown on **Pic.1**.



Pic.3

Placing the Optics Module between Tracks.

NOTE: Double-check, if the Phone Locker at the back of the Optics Module placed with its leverage facing the same side as the top of your phone. For the best fit of most smartphones, it should be heading towards the left side of the rig if you look from the backside (**Pic.3**).

NOTE: To dismantle the Rig take the same actions in the inverse sequence.

(!)TIP: You can use the Double Stud bolt with a standard Bolt or with the Nut to connect elements to each other or through the Track gap to build more alternative setups. As an example, you can assemble just one Grip with Microphone directly connected to a Clamp Holder for handheld shooting. You also can use the L-shaped connector to rotate a smartphone in the Clamp Holder to enable vertical layout, connect a DSLR camera to the frame, and construct many more creative setups. For more ideas and transforming options, you may check the website **www.dreamgrip.com** or follow #DREAMGRIP on Social Network Channels.

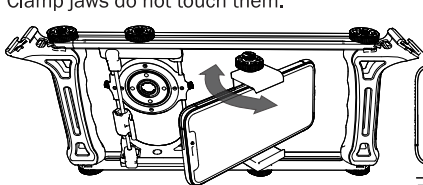
IV. USING THE RIG WITH A SMARTPHONE

The construction of **DREAMGRIP® Evolution** allows you to adjust the position of modules and elements to align them with any phone and camera location. To load a phone into the Rig we recommend you to follow the sequence as below.

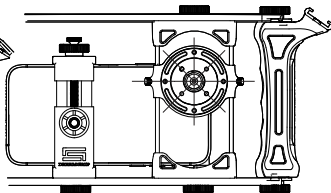
1) Lose the Bolt that fixes the Clamp Holder on the lower Track and turn the Holder anticlockwise about 45° to the Track as shown on the **Pic.4**. You can use either clamp holder from the kit. However, it is recommended to use the Screw Scamp holder whenever a more secure and firm hold is needed.

2) Insert the phone into the Clamp Holder while heading the phone's top side towards Optics Module. If your phone has a corner camera position, - load the phone to have the camera side up for better alignment with Optics Adapter as shown on **Pic.5**.

(!TIP: Check the position of control bottoms at sides of your phone to ensure the Clamp jaws do not touch them.



Pic.4 Inserting the phone



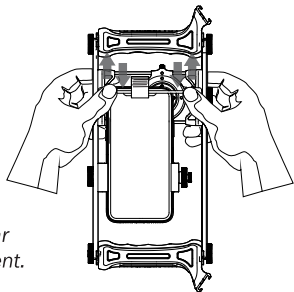
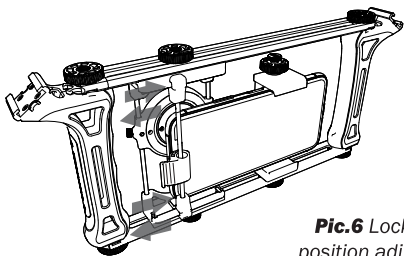
Pic.5 Aligning camera to the Optics Eye

3) Turn the Clamp Holder with your phone clockwise and move towards Optics Module to have the camera behind the open eye in the Optics Adapter. Align the back camera(s) with the Sliding Cap on the Optics Module and tighten the Clamp in this position (**Pic.5**).

4) Loose the two small fixing screws at the front side on the Optics Module and two big bolts on the top and bottom to align it with the phone camera position to the very middle of the open Eye of Optics module.

(!TIP: Use the holes as marks to align the camera position easy and fast (**Pic.5**). Be picky and precise finding the very middle *if you are planning to use an external lens*.

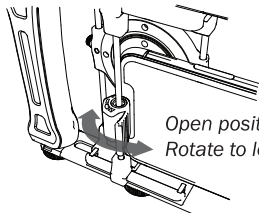
5) Align the position of the Locker Bar by moving it along the backside of the Optics Module with two thumbs (**Pic.6**). Then lock the phone by turning the Leverage of the Locker clockwise (**Pic.7**).



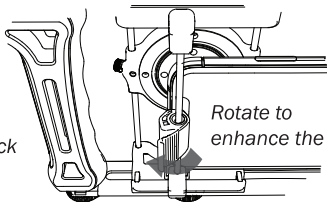
Pic.6 Locker Bar position adjustment.

(!)TIP: The phone Locker on the back bar of the Optics Module is moveable up and down on the Bar. The suggested position of Locker is over the phone's Speaker. However, you may choose another position along the phone edge but try to avoid covering a luminosity sensor at the top of the screen - it may cause a decrease of screen brightness to a night mode.

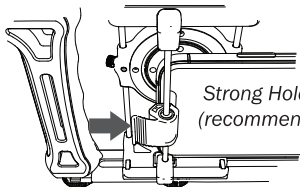
NOTE: By turning the Locker clockwise you will increase the pressure that pushes the phone towards Optics Module. **Do not overtighten the locker!** Choose a reasonable pressure with the locker position based on your phone thickness.



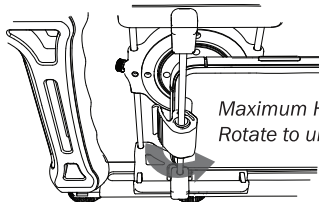
Open position,
Rotate to lock/unlock



Rotate to
enhance the Lock



Strong Hold
(recommended)



Maximum Hold,
Rotate to unlock

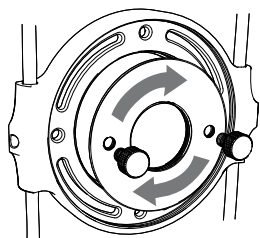
Pic.7
The Positions of the Locker.

NOTE: To take off the phone, first, open the locker. Then, unscrew the bolt below the phone holder and turn the phone anticlockwise (**Pic.4**). After that ease the clamp by unscrewing the tightening bolt and release the phone.

NOTE: If your phone has two or more cameras, and you are planning to switch between them during filming – you may need to take out the 37-17mm step down adapter to have more open space for cameras (**Pic.8b**). If you also use filter(s) - in such a case you may need to install Blinder for the better filming results to prevent backlight reflection artifacts (please refer to **Installing The Blinder** and **Connecting External Lenses** chapters below).

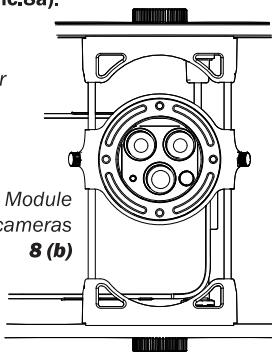
(!)TIP: It is more important to have the camera centered if you use a lens. If you are going to use only a filter with or without a hood, the position of your camera inside the Optics Module will be good enough just if you can't see any obstacles in the visual frame while shooting with the camera.

(!)TIP: The 37-17mm step-down adapter features 4 holes, each with 1/8" thread. You may screw in two small 1/8" fixing bolts to use as leverage if the adapter is stuck in the 37mm thread of the Optics Module (**Pic.8a**).



8 (a)
*Unscrew the Adapter
with 1/8" bolts.*

*Alignin Optics Module
to open more cameras*



8 (b)

Pic.8

Removing 37-17mm adapter to open more space to enable switch between cameras.

(!) ATTENTION: You should remove the phone from the Lens Adapter before using the two screws as leverage to prevent from scratching your phone! (**Pic.8a**)

IMPORTANT! Contemporary smartphones with multi-camera systems are able to operate **only one camera** at any given period of time while taking a photo or filming a video. It means you need to have the actual filming camera centered against the Optics Eye (**Pic.5**) if you use an external lens (not included). For more information regarding multi-camera system functions please refer to your phone supplier, specification and manual of your phone.

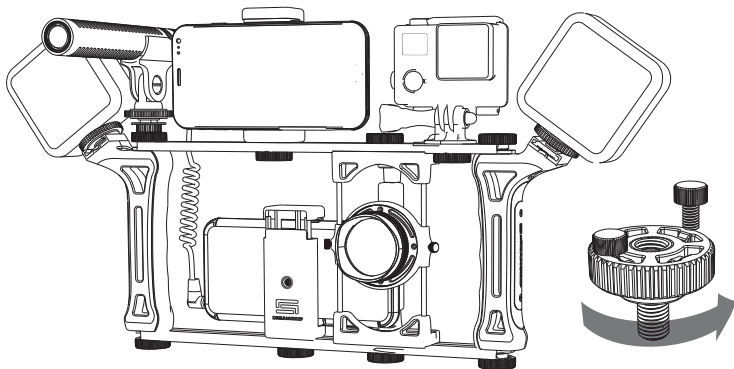
V. USING THE RIG WITH SEVERAL FILMING DEVICES

You can mount one or more filming devices at the same time with the rig.

To do so, first, refer to a manual of your camera and check what connecting/mounting options it has. SLR cameras normally have a standard ¼" screw at the bottom to connect to a tripod. You can fix the camera at the Rig through it by using standard ¼" Bolt to tighten it from the other side of the Track through the open gap.

Action cameras normally equipped with several connection accessories including the same standard ¼" screw connection kit. Although some cameras come with a standard cold shoe adapter. In such a case you can use it to fix the camera anywhere along the top or bottom Track.

You can also mount the second phone to use either as an extra camera or as a display with the second Clamp holder (**Pic.9**).



Pic.9 Evolution Rig with two Smartphones and Action camera.

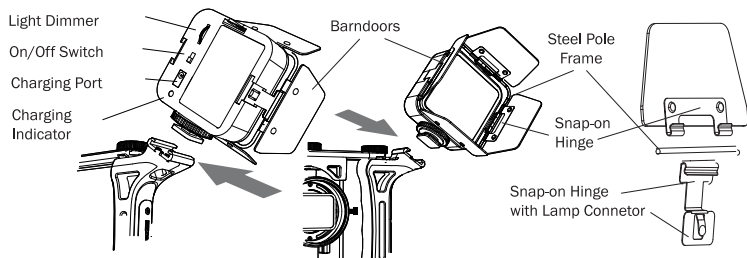
Pic.10 Use two small bolts as a leverage

(!)TIP: You also can use the second Clamp holder to accommodate external Powerbank (not included) and connect it to LED lights or/and to your phone.

(!) TIP: You may also use the small bolts as leverage to unscrew the standard ¼ Bolt if it got stuck (**Pic.10**).

VI. MOUNTING LED LAMPS

Each of two Grips features one cold shoe nest on a tilted platform. To mount the LED lamps on it, you need to lose the tightening nut on the lamp base, slide it into the cold shoe, and tighten the nut to fix the light on the Rig (**Pic.11**).



Pic.11 Mounting LED lamps with Barndoors (included in MOJO Kit only).

The tilted cold shoes on the Grips is the best place for the two LED lamps as the lighting will appear more smooth and natural on the object if two light sources are placed in a distance one from the other. However, you can use the lights also at any other position on the Rig along the Tracks.

NOTE: Before using the light at the very first time **you need to release the protective film that isolates the accumulator contacts for safe transportation.**

The original accumulator capacity normally is enough to support the light for about one hour with maximum light intensity (the time may be considerably less in low temperatures). You will need to recharge accumulators right in the lamp with a standard USB power cable (included) connected to USB power supplying device like a laptop (not included) or a USB charging adapter.

(!) ATTENTION: For your safety use only the original USB cable (2 cables included in Evolution MOJO set only) to recharge the accumulator.

(!) IMPORTANT: Do not point the bright light directly to faces and eyes, stand back at least 1m/3ft from the lamp! Use the dimmer to control the light intensity depending on the particular external light conditions and the current distance to the filming object or a human.

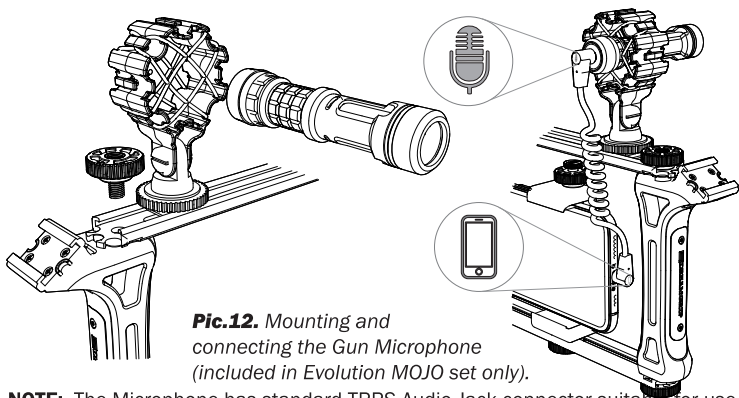
(!) TIP: Grips can be fixed on the Rig in one of the 5 positions using the flower at the ends of the Track. It may help you to adjust the light directions for shooting a close object.

VII. MOUNTING THE MICROPHONE

Standard Gun Microphone in **DREAMGRIP® Evolution MOJO** set features universal Gum Suspended holder with a cold shoe basement. The recommended position for it - is on the top Track close to the side of your phone with audio input.

To mount the holder, first, remove the top Bolt from a Grip. Then lose the tightening nut on the Mic's Cold Shoe mount to let the base slide in the Track. Then tighten the Bolt back to the Grip first, and then tighten the fixing nut on the Microphone holder basement (**Pic.12**).

After the Gum Suspended holder is fixed on the Track - insert the Mic in the space between the rubber strings and connect with the cable to the Phone.



Pic.12. Mounting and connecting the Gun Microphone (included in Evolution MOJO set only).

NOTE: The Microphone has standard TRRS Audio Jack connector suitable for use with the same female default TRRS Jack at a phone. It may not be able to connect directly to some laptops or DSLR with a different TRS Jack contact type. In such a case you need to use TRRS to TRS adapter (not included) to connect the microphone.

NOTE: Some phones have a different Audio connector, like iPhone, for instance. In such a case to connect the microphone you need a special connector (not included) like iPhone Lightning to Jack TRRS. For more details please refer to the manual of your phone.

VIII. CONNECTING WITH OTHER ACCESSORIES

(i) Using External Lenses (not included)

With the Optics Adapter, you may use $\varnothing 17\text{mm}$ or $\varnothing 37\text{mm}$ thread lenses (not included). To use a $\varnothing 37\text{mm}$ threaded lens - you simply need to screw it in the Optics Module without removing the 37-17mm step-down adapter. The $\varnothing 17\text{mm}$ lens can be connected through the 37-17mm step-down adapter. And $\varnothing 52\text{mm}$ filters can be screwed in the 52mm thread on the Optics Module or on the Hood.

(!) TIP: For the best picture quality guaranteed compatibility and for your convenience, we recommend **DREAMGRIP® VISIO** Lens set (not included). Although optics from the other suppliers with $\varnothing 17\text{mm}$ or $\varnothing 37\text{mm}$ thread can be compatible with the Rig. For the compatibility with more thread diameters and bayonet connectors, you may need to purchase the relevant **DREAMGRIP®** adapter (not included).

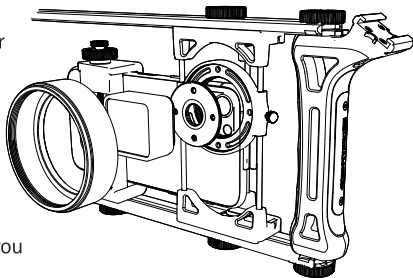
NOTE: Before shooting with an external lens make sure your phone camera position is aligned precisely against the middle of the lens. Any deviation will affect the picture quality and may cause lower clarity, distortion, dark spots, vignetting, and other types of quality loss.

(!) TIP: Normally, you will be able to see the Phone camera looking back through the external lens' optics. It may help you to adjust the Lens position against the camera after the Lens had been mounted on.

NOTE: Even if your phone has a multi-camera system any lens can be used with only one camera at the same time. So you need to align the actual filming camera to the center of the Optics Adapter.

(ii) Using The Hood

The $\varnothing 52\text{mm}$ extension Hood helps to protect your camera or a lens from sidelight that can affect the picture quality with undesired reflections. To use the hood you need to screw it in the Lens Cup using the 52mm thread.



Pic.13 Connecting $\varnothing 52\text{mm}$ hood to the Optics Module and $\varnothing 17\text{mm}$ external lens through the 37-17mm step-down adapter.

(iii) Using Optical Filters

You can enjoy better control over natural light and reflections by using optical filters. You can screw the filters directly in the Lens Cup $\varnothing 52\text{mm}$ thread or on the Hood. To avoid backlight reflections and unwanted artifacts it is highly recommended to use the Blinder and the Hood.

CPL (Circular Polarizer) and ND (Neutral-Density) filters are helpful mainly for outdoor filming. ND filter will cut the light intensity to help you capture a better image while shooting against the light source. CPL will make you able to control reflections and color intensity. To learn more about the benefits of using the optical filters please check www.dreamrip.com or any other information source.

NOTE: To use the effect of ND filter you need to switch your camera application to manual ISO settings. In the Auto mode, this filter effect will be automatically compensated by the camera operating software.

(iv) Installing The Blinder

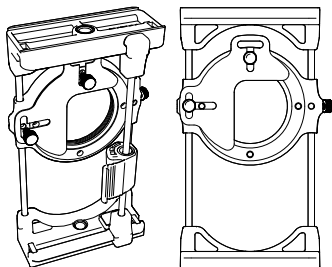
In case you have a phone with a corner positioned camera (like iPhone has), you may need to install the Blinder. For some phones, the Blinder can be useful with filters or sometimes with external lenses.

The Blinder helps to prevent backlight reflections if you shoot with a source of light at your flanks or at your back. However, for centered camera position (like some Samsung or LG phones) you may not need the blinder at all if your phone covers the backside of the Lens Cup completely and prevents any light penetration from the back.

To install the blinder you choose the best of its position to cover all the free space of the Viewing Circle left uncovered by the phone, and fix it with the two small bolts.

NOTE: You have two spare bolts in the set to fix the Blinder – one with a silicone gasket, and one without. The bolt without gasket is for the top and the one with the gasket - is for the left thread in the Optics Module (**Pic.14**).

(!) TIP: If you use the same phone for shooting with the Blinder every time – you may keep Blinder fixed on its position even if you need to disassemble the Rig.



Pic.14 Installing the Blinder to cover the back of Optics Adapter.

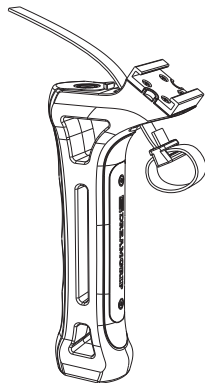
(v) Connecting The Shoulder Strap

Each of the two Grips has a cavity below the cold shoe platform to fix the Strap end inside it. To attach the Strap you need to:

- 1) remove the Stopper first;
- 2) then pull the Strap end through the gap on the below the cold shoe platform;
- 3) loop the end through the Stopper the same way and pull the strap out with two ends.

NOTE: Check attentively the default position of the locks on both ends of the Strap and the way the ends loop over the Trapeze Stopper before removing it. It will help you to install it properly.

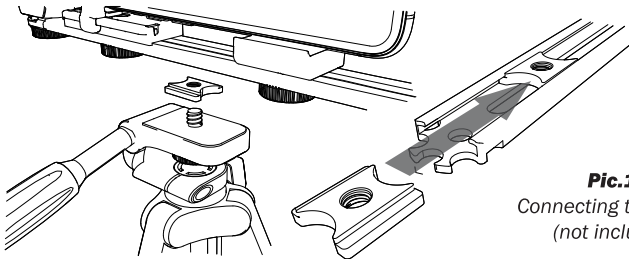
The Stopper will tightly hold the strap in the Grip. You can use the other locks along the strap to fix the free ends.



Pic.15 Fixing the Strap with the Trapeze Stopper.

(vi) Connecting To A Tripod (not included)

You may connect **DREAMGRIP® Evolution Rig** to any tripod with the standard ¼" screw that most tripods have. If you use original **DREAMGRIP® Light Tripod** - connect the Rig with Track Nut (included in Evolution Rig sets and all **DREAMGRIP®** Tripod kits). The Track Nut provides the best and secure hold of the rig on any tripod head.



Pic.16
Connecting to a Tripod
(not included).

(vii) Connecting To Other Accessories And Extensions

Most photo and video professional-grade accessories can be easily connected to **DREAMGRIP® Evolution Rig** with standard ¼” screws, standard cold shoe shaped mounts, or even both. Please check and follow the instructions and manual from the vendor of the accessories for more information regarding connectivity and compatibility. You can also ask **DREAMGRIP® Customer Support Service** at **www.dreamgrip.com** for assistance.

IX. CUSTOMER SUPPORT

You can check all the latest information related to any **DREAMGRIP®** products, F.A.Q., useful advice, tips, and reviews at **www.dreamgrip.com**. In some cases for getting assistance from the Customer Support, you may need to be a registered user or be asked to provide some information or images for illustration purposes.

X. LIMITED WARRANTY

DREAMGRIP® Evolution Rig has a limited 12 months warranty and 6 month warranty for the included batteries. To check the Terms and Conditions and to enable the warranty, please get registered at **www.dreamgrip.com**. In some cases you may need to provide a copy of the retail receipt and UID number of your Rig set.

XI. MORE USEFUL INFORMATION AND LINKS

All the latest tips, news, products, and updates you can find at **www.dreamgrip.com**. You are more than welcome to follow **DREAMGRIP®** official accounts at social networks and services as well as to share your own experience of using **DREAMGRIP® Rig**. We appreciate receiving any comments that will help us to make better products together to empower everyone with the best tools for the creation of high-quality photo and video content.



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