



KOLOR  
**ABYSS**

# Quick Start Guide

v.1.0

## Before you begin

Please read the Autopano Video User Manual carefully:

[http://www.autopano.net/wiki-en/action/view/Autopano\\_Video\\_Documentation](http://www.autopano.net/wiki-en/action/view/Autopano_Video_Documentation)

And in particular the recommendations about the GoPro settings provided on this page:

[http://www.autopano.net/wiki-en/action/view/Autopano\\_Video\\_-\\_Which\\_settings\\_to\\_use\\_with\\_my\\_GoPro](http://www.autopano.net/wiki-en/action/view/Autopano_Video_-_Which_settings_to_use_with_my_GoPro)

## Tips while preparing the rig

- Open and close the domes carefully with the help of a rubber key or oil-filter wrench.
- From time to time, lubricate the domes to ensure an easy opening.

## Triggering the cameras

- The WiFi remote control is waterproof but not submersible. Trigger the cameras before you dive.
- If you cannot trigger them outside the water (for example, if you need to save the battery life of the GoPros because you don't know exactly when you will need to film), you can put the remote control in a submersible case. As the WiFi signal is poor underwater, you can place a metallic cable between the case of the remote control and the rig.

## Ensuring a good synchronization and stitching

- After having triggered the cameras, strongly tap several times on a corner of the rig. The stitching software will detect this movement and better synchronize the movies.
- Make sure to have content in front of all cameras at least once in the whole video, preferably at the beginning of the filming, after you are underwater. All neighboring cameras should record a common thing. For example, slowly turn around the rig.
- Before filming in water that doesn't have much content, film in a swimming pool or in water with lots of content and details. Create a project in Autopano Video and use the .pano file of this project as a template for other projects («stitch as .pano») with the same camera order. This will improve the stitching.

## Securing the rig

- If you fix the rig on a pole, you can secure it with a rope and tie it to your wrist, in case the pole breaks.

## Other tips

- The rig floats. If needed, ballast it.
- The stitching will not be possible if there is not enough light. If artificial light is provided, it should cover all directions around the rig.