

## Sea and Sea YS 03 Reset when in Circuit Protection Mode.

**Symptom:** The Sea and Sea YS 03 indicator light flashes from green to red alternately. The strobe does not operate at all when the attached camera flash is activated. It is essentially a pretty black brick.

**Cause:** Some form circuit protection hardware/software has activated probably due to over-heating, over-current or a similar fault condition. This may be caused by rapid firing at high intensity or maybe by leaving the device running on hot days out of the water. Who knows!

**The Fix:** A member of <https://wetpixel.com/> website with the member tag 'Rolli' obtained a document in Japanese which describes the reset process. He kindly sent this document which fortunately had the essential bits already translated. (My wife can read and speak very basic Japanese and has a friend who is a native speaker - so I had a fallback). I had to modify the process a little to get my strobe to reset but got there in the end. There are two descriptions below which may or may not work for you. The first is the official method – the second is how I did it. I didn't have a YS converter.

### Method 1

Equipment –

- A very strong magnet – I used a rare earth magnet from eBay (see image below)
- The fibre optical synch cable
- A Sea and Sea housing with a YS converter and camera

### Steps

1 - Turn the strobe to OFF. Place the magnet as shown on the photo (You may have to reverse the polarity as it only works with the correct pole – I believe it is the south pole).



2 - Turn the strobe ON. If it has worked the strobe will only flash RED. If it is still Green and RED then turn off the strobe and try again until it is RED only. If you can't get past this stage there may be a different issue.

3 - Remove the magnet but leave the Strobe turned to ON

4 – Connect the strobe to your YS converter and camera using the fibre optic cable. Turn ON the YS converter and camera. Set the YS converter/camera to MANUAL Mode

5 - Activate the shutter once – the strobe indicator light should now turn GREEN. Activate the shutter again within 3 to 5 seconds.

6 – After the second shutter activation the strobe indicator light should turn ORANGE ( apparently it may turn Green and Red alternating).

7 – If this is the case turn the strobe OFF – wait a few seconds then turn the strobe back ON. It should now be out of safety mode.

## Method 2

### Equipment

Similar to Method 1 except that I did not have a YS converter but after a little intuitive thinking and a bit of luck I managed to reset the YS 03 strobe.

My camera is an Olympus TG6 in a case which has an optical fibre attachment point. The main issue was the time it took the camera to recharge before it would fire its flash again. When in Fill In mode and Full mode it took more than the maximum five seconds required for part of this procedure. To overcome this I set the camera to Slow manual mode. Because it only partially discharged it then charged up much quicker. (See photo for the setting).



### Steps

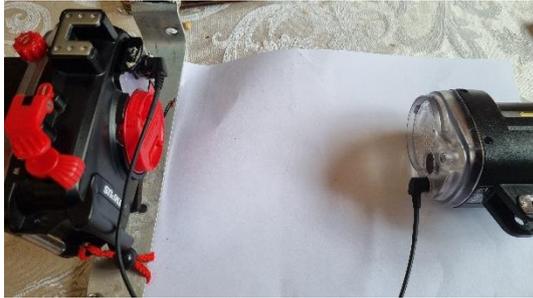
1 - Turn the strobe OFF. Place the magnet as shown on the photo (You may have to reverse the polarity as it only works with the correct pole – I believe it is the south pole).



2 - Turn the strobe ON. If has worked the strobe will only flash RED. If it is still GREEN and RED then turn off the strobe and try until it is RED only. If you can't get past this stage there may be a different issue.

3 - Remove the magnet but leave the Strobe turned ON

4 – Connect the strobe to your Olympus case and TG6 camera using the fibre optic cable. Set the camera flash setting to SLOW. (It also worked with the strobe just facing the camera flash as shown without cable attached)



5 - Activate the shutter once – The indicator light will probably remain red. Activate the camera shutter again - the strobe indicator light should now turn green. (At least it did for me). Activate the shutter again within 3 to 5 seconds.

6 – After the third shutter activation the strobe indicator light should turn ORANGE ( apparently it may turn Green and Red alternating).

7 – If this is the case turn the strobe OFF – wait a few seconds then turn the strobe back ON. It should now be out of safety mode.

*On the following two pages are the original and translated copies of the Japanese version which Rolli kindly sent me.*

Good Luck

BlueDevilfish

**YS-03ダメージクリアの方法**

YS-03にてダメージモードに入ったボディを復帰させる方法を記載する

2016/1/13

品質保証部 原田

*How to Release safety mode.*

**1. ダメージモードの確認** *1. To confirm if it is really in safety mode.*

ダメージモードに入ったYS-03は電源ONすると同時にReady-LEDが赤⇔緑で点滅する  
ダメージモードを解除しても正常動作しないものはハードウェアの故障と考えられる

*1. Please confirm if ready-LED lights in red and green in turn. If the mode is not cleared by the following process, there might be the possibility of the problem with the circuitry.*

**2. ダメージモード解除方法** *Items to prepare:*

①準備物	① 光ファイバーケーブル <i>Fiber Optic Cable (Sea&amp;Sea)</i> ② 光コンバータ (C/N/S いずれも可) つきハウジング <i>Sea&amp;Sea Housing with YS Converter</i> ③ カメラ (光コンバータへON信号送信のため) ④ 電池各種 <i>Batteries</i> ⑤ 磁石 (大きい磁力の強いもの) <i>Magnet</i>	<i>→ camera (in order to send signal to YS converter)</i>
②手順	↳ (large one in gaus)	
1	電源OFFの状態磁石をYS-03の側面(受光部側)に押し当てる  ① <i>Turn off the power of the strobe and press the magnet to the body of YS-03 shown in the picture.</i>	 <p>Magnet</p>
2	YS-03の電源を入れ、Ready-LEDが赤⇔消灯の点滅に切り替わったことを確認 (切り替わらなければ電源ON⇔OFFを繰り返す)  ② <i>Turn on the power of YS-03 and confirm if the redy-LED flickers only in red.</i>	 <p>CAUTION BEFORE USE. CHECK THE O-RING. SEA&amp;SEA</p> <p>Power-ON</p>
3	磁石を離し、YS-03に光ファイバーケーブルを挿す。もう片側は光コンバータの出力部へ挿し込む  ③ <i>Remove the magnet and connect one side of the cable to YS-03. And connect the other side to the output terminal of the YS converter.</i>	
4	光コンバータの電源を入れ、Manualモードに設定  ④ <i>Turn on the power of YS-converter and set in manual mode.</i>	
5	カメラのシャッターをきる (or X接点-GNDのショート) で、YS-03のReady-LEDが緑点灯へ変化	⑤ <i>Activate the shutter and see if LED lights in green or not.</i>
6	5から3秒以内に再度シャッターをきる (or X接点-GNDのショート) でYS-03のReady-LEDが橙色(赤、緑両方点灯)へ変化 ⑥ <i>After the second shutter, if the Ready LED flickers in orange (or red and green in turn), 3秒以内に信号入力がないとYS-03は電源OFFになるため手順1よりリトライする</i>	→ <i>to 5 seconds after the color change of LED.</i>
7	YS-03の電源を切り、再度電源を入れると通常モードに復帰する  → <i>Turn off YS-03 and the safety mode will be released once turning on the power.</i>	please move onto ⑦.

## YS-03ダメージクリアの方法

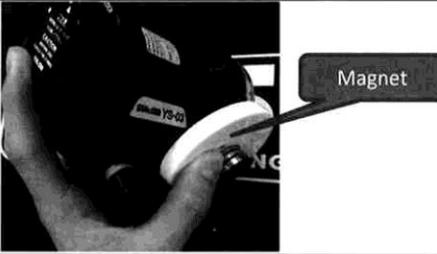
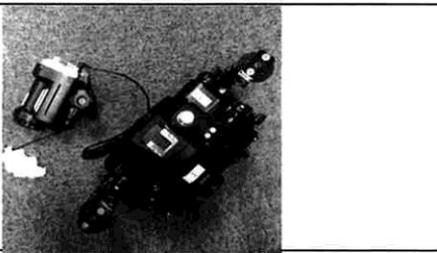
YS-03 にてダメージモードに入ったボディを復帰させる方法を記載する

2016/1/13  
品質保証部 原田

### 1. ダメージモードの確認

ダメージモードに入ったYS-03 は電源ONすると同時にReady-LEDが赤⇔緑で点滅する  
ダメージモードを解除しても正常動作しないものはハードウェアの故障と考えられる

### 2. ダメージモード解除方法

①準備物	光ファイバーケーブル 光コンバータ (C/N/S いずれも可) つきハウジング カメラ (光コンバータへON信号送信のため) 電池各種 磁石 (大きい磁力の強いもの)
②手順	
1	電源OFFの状態では磁石をYS-03 の側面 (受光部側) に押し当てる 
2	YS-03 の電源を入れ、Ready-LED が赤⇔消灯の点滅に切り替わったことを確認 (切り替わらなければ電源ON⇔OFFを繰り返す) 
3	磁石を離し、YS-03 に光ファイバーケーブルを挿す。もう片側は光コンバータの出力部へ挿し込む 
4	光コンバータの電源を入れ、Manualモードに設定 
5	カメラのシャッターをきる (or X接点-GNDのショート) で、YS-03のReady-LEDが緑点灯へ変化
6	5から3秒以内に再度シャッターをきる (or X接点-GNDのショート) でYS-03のReady-LEDが橙色 (赤、緑両方点灯) へ変化 3秒以内に信号入力がないとYS-03は電源OFFになるため手順1よりリトライする
7	YS-03 の電源を切り、再度電源を入れると通常モードに復帰する