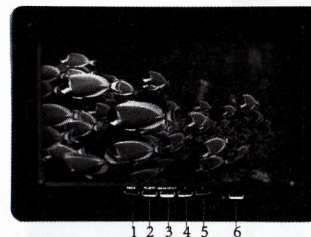# Contents

Warning and Precaution

Warning

Please use the adaptor together with the product only! We are not responsible for the problem caused by any other adaptor

Precaution

1. A good image is not available when camera just opposite to the sun, also for safety do not put the camera under the blazing sunshine for quite a long time ;
2. Put the camera at a appropriate position for a good image;
3. To keep it well-preserved, please wash the camera and cable by soap or warm water after using;
4. Warranty is not available if the unit being opened;

Introduction

7L 7LG

1. V1/V2 AV1/AV2
2. ◯
3. MENU
4. -
5. +
6. ⏻

1 2 3 4 5 6

V1/V2 : To change the mode between 16:9 and 4:3 on screen display;

◯ : To change the direction of the image shows on the LCD screen totally there are 4 directions, to have the correct display on it ;
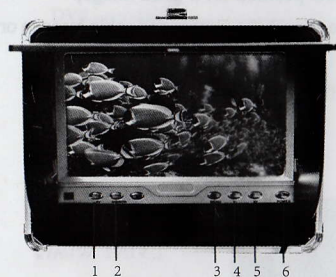
V1/V2 : To change the mode between 16:9 and 4:3 on screen display;

⟳ : To change the direction of the image shows on the LCD screen totally there are 4 directions, to have the correct display on it;

MENU : To access the settings menu of Bright, Contrast, Color, Mode, TCON, Language, and Reset;

- & + : To decrease or increase the numerical value of the settings;

⏻ : To power on & off the LCD screen;

7LS

1.AV

2. MIRROR

3.MENU

4. V-

5. V+

6.POWER

1 2   3 4 5 6

1. AV: To change the direction of the image shows on the LCD screen, total 4 directions, to have the correct display on it;

2. MIRROR: To change the mode between 16:9 and 4:3 on screen display

3. Menu：To access the settings menu(Bright, Contrast, Color, Mode, TCON, Language, and Reset);

4. V-：Decrease the numerical value of settings；

5. V+：Increase the numerical value of settings；

6. POWER：Power on & off the monitor LCD screen

DVR Operation

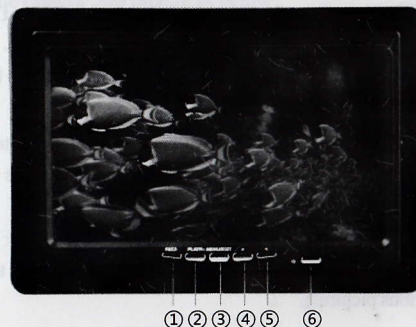(this operation only available when the unit with DVR function)
Before the operation of the DVR function, make sure the unit already has the SDcard in it. Press the button on the left side of the monitor to check the SD card, see pictureas below:

Press this button to
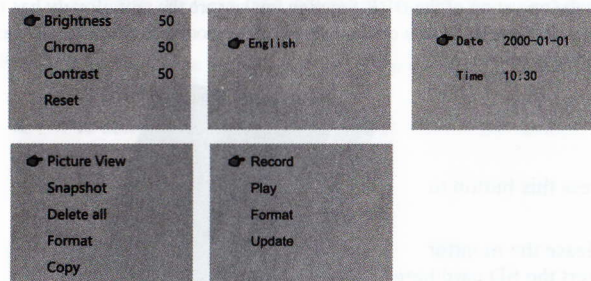
release the monitor
Insert the SD card here

Monitor with DVR function

①REC/-

②PLAY/+

③MENU/EXIT

④ >

⑤ <

⑥ ⏻

①②③④⑤ ⑥

Press POWER ON button, the unit start to work, then press MENU button (3) to see the below function selection, then press REC/- (1) or PLAY/+ (2) to adjust. Press < (5) or > (4) to select up and down.

☞ Brightness	50			
Chroma	50	☞ English	☞ Date	2000-01-01
Contrast	50		Time	10:30
Reset				

☞ Picture View	☞ Record
Snapshot	Play
Delete all	Format
Format	Update
Copy	

1. Settings: Press MENU button to access the settings, and press it again to change the different menu of settings. Press the > & < buttons to change the items under the each menu, and press PLAY to enter into the settings of the each item. The REC/- & PLAY/+ buttons are to decrease & increase the numerical value of settings. In settings of Time & Date, press PLAY to enter into the settings, then press the > & < buttons to change the value of the time & date;

2. Video Recording: Press REC to record the video, and press it again to finish the recording;

3. Play the Video: Press button of PLAY to play the recorded video continuously, and press it pause. Press > & < buttons to display the next and previous recorded video;

4. Take & Play the Picture: Press > button to take the picture. Press < button to display the pictures taken by the camera, and press > & < buttons to display the next and previous pictures;

5. Capture function: Press button of MENU 4 times, then select the Capture, Press PLAY/+ to capture. (the capture is recorded in the memory of the unit, instead of SD card. you can copy it in SD card by selecting copy if you want to use it with computer)
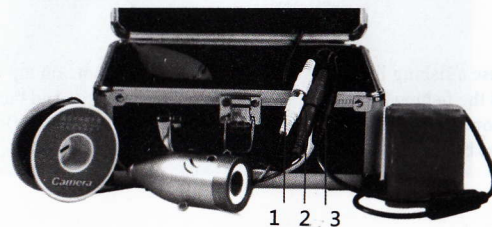
NOTES:

1. After insert a new SD card or when the SD card has problem, press the button of REC, the unit will check and display whether formatting the SD card, press the button of > & < to select Yes or No, then press MENU to confirm the selection;

2. Time and date will display at the bottom right corner all the time when the monitor is power on;

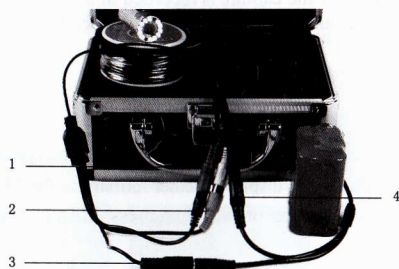3. The button of MENU is also to exit in any other mode

Connection

Firstly connect the battery to the power input cable from the monitor, then connect the power output cable & Video input connectors from the monitor with the camera .See picture as below

7L 7LS

1. Video output   2. Camera power   3. Monitor power

7LG

1. LED power   2. Video output   3. Camera power   4. Monitor power
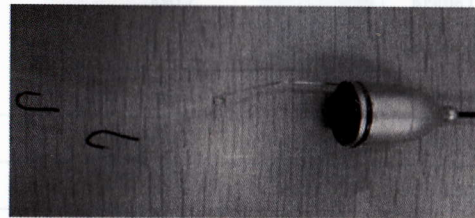
Installation of the Float, and Fishhook

Float

Firstly use a fishing line to fasten the float across the hole on top of it, the lengthof the fishing line is according to your own choice. And then select an appropriate place on the wire of the camera to fasten the float. See picture as below

Fishhook

1. Connection in series: Normally fix 2pcs or at most 3pcs fishhook on the fishing line in a line , and each at 5cm distance , which can make sure all are clear when show on screen. The distance of the Lead can be a litter longer than the last fish hook on the line . See picture as below

2. Connection in parallel: normally fix 2pcs fishhook just under the camera, the length of the fishing line is according to the clarity of the water. Make sure to fix one fishhook on the loop to avoid the mixing with another one. See picture as below

Specification

Camera

Lens: COLOR CMOS / CCD, HD 1000 TV lines

Focus: 4.0mm(7L 7LS) ; 2.7mm(7LG)

Visible distance (clear water): 1- 3 m

Working Temp.: -20 ~ 60°C

Storage Temp.: -30 ~ 70°C

Monitor

Item	Date
Charger	AC100-240V DC12.6V 1000MA
Battery	Li-ion 12V 4500mAH
Detection depth	20M ; 30M ; 40M ; 50M ; Customizable
Light source	white light or infrared light
Video camera	Color
Monitor image	Color
Definition	HD
Input voltage	12VDC
SD card	DVR
Package size	230*190*130MM
Gross weight	1.8KG

Packging

7L 7LS

7L Aluminum box

7LS Aluminum box

Camera   Float   Charger   Battery

7LG

7LG Aluminum box

Camera   Charger   Battery