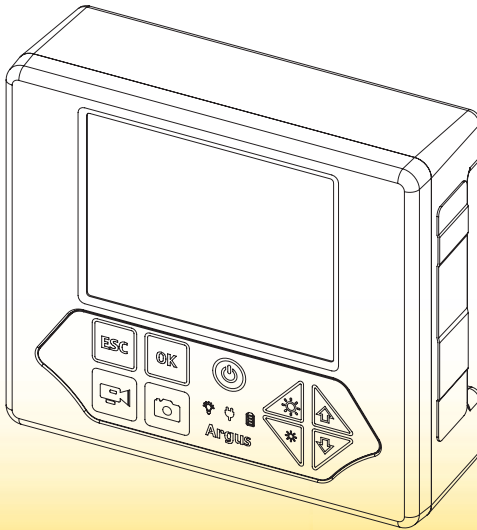


M57

User Manual A.0



For A Better Inspection Scope

ISO 9001 / ISO 13485

Please read the user manual carefully
before using this system

This user manual will indicate the specification, operation, and maintenance for M57 endoscope system. Please follow the instruction to quickly understand the correct usage, secure maintenance, and avoid risks. Also please pay attention to the "WARNING" before reading the user manual.



WARNING

- Please read this manual carefully to learn the system assembly process, properly operation and safety precautions before using.
- Non-trained or Non-professionals do not operate this system. Or our company would not be responsible for any accident if occurred.
- Our device has electric leakage protection design. Please do not operate the device with wet hand to avoid electric shock.
- Before power on or during operating the connecting probe, please do not toward to the user's eye or look at the light source directly.
- While operating; please make sure to hold the device tightly to avoid damage or hurting users caused by falling off.
- Please power off the device every time once finished work.
- This product does not have consumable materials. If the device has any damage, please contact with the dealer to issue the defects returning process.
- Please do not use our device to work with other non-standard accessories. If occurs any damage, our company would not take any responsibility.
- Please follow the instruction strictly; Otherwise, manufacture would not take any legal responsibility.
- If you have any question or need immediate assistance, please contact with product dealer.

Warning Mark Instruction



WARNING !

Warning: Might influence human security.



CAUTION

Caution: Might cause to the system or device damage.

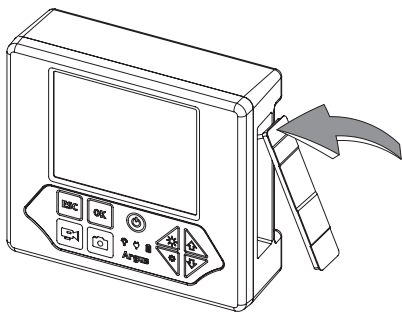


NOTE

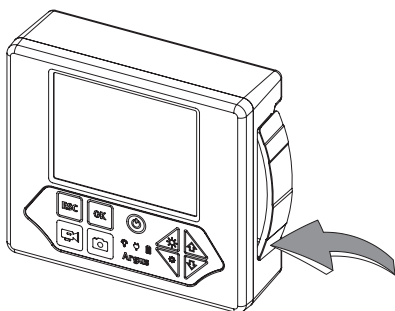
Note: Need to be noticed

Anti Dust Cover Assembly Instruction

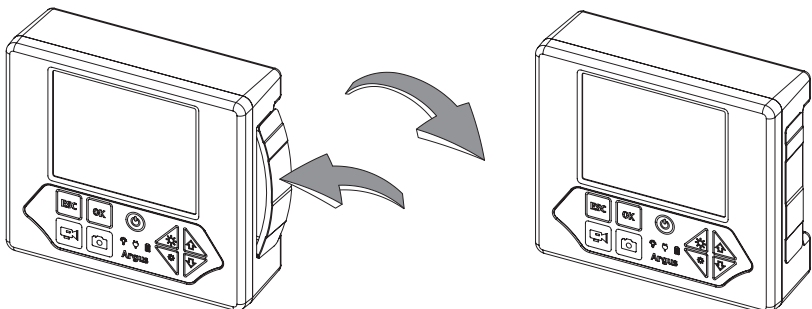
STEP 1 Push into the top



STEP 2 Push into the bottom



STEP 3 Push into the middle part and make sure the cover is fixed



Please read this manual carefully before using

Content

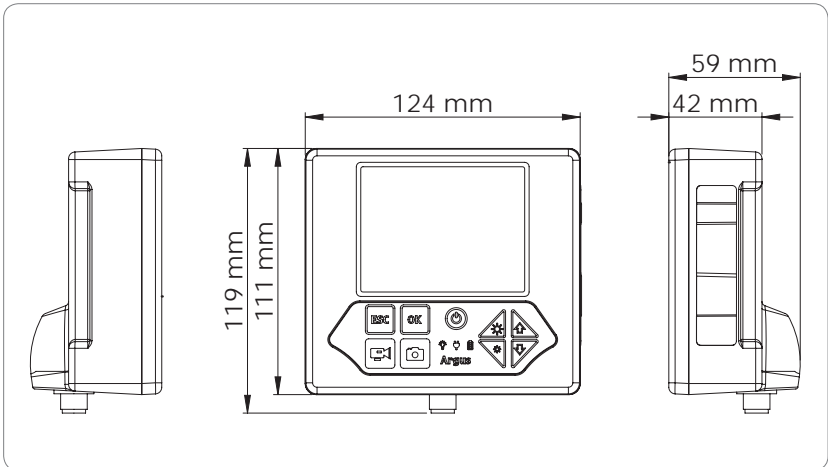
01.Introduction	01
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01. Introduction

M57 endoscope system is mainly used for inspection, repairing and maintenance. Within 3.5" digital LCD monitor, this unit could connect with a variety of inspecting probe to display the high quality image. The screen is clear and stable, also could manually adjust the image size and illumination. M57 enable to support Snapshot, Audio and Video recording to enhance the detection performance.

02. Main Device and Accessory

M57



Power Charger



USB Cable



4GB Micro SD Card



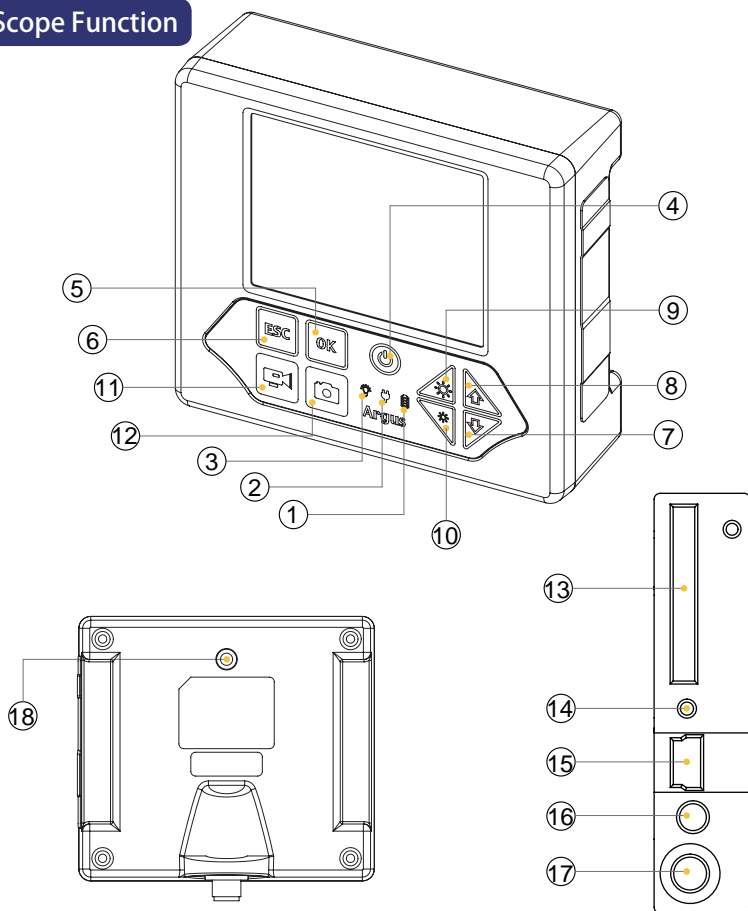
Q-Tip



Cleaning Cloth

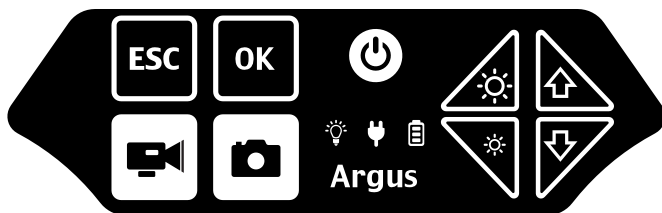


03. Scope Function



- | | |
|--|-------------------------------------|
| ① Indication Light : Charging | ⑩ Light down key |
| ② Indication Light : DCIN | ⑪ Video Recording Key |
| ③ Indication Light : Power/SD Card Detection Light | ⑫ Snapshot Key |
| ④ Power On/Off | ⑬ SD CARD Slot |
| ⑤ OK Key | ⑭ RESET Key |
| ⑥ ESC Key | ⑮ USB |
| ⑦ Downward Key | ⑯ DCIN |
| ⑧ Upward Key | ⑰ TV-OUT |
| ⑨ Light up key | ⑱ 1/4" -20 pitch machine screw stud |

04. Monitor Key Instruction



Button	Video Mode	Play Mode	Set up Mode
	Enter Setup menu	Enter Setup menu	Execute the selected function
	Check the photo or Video saved in SD card (Enter Play Mode)	Back to Video Mode	Exit the menu
	Take photo	Check backward photo or video	Left key (Display model version for 2 sec.)
	Start / Stop Video recording	Check forward photo or video	Right key
	Zoom in (Magnification cycle from small to large) X1 · X2 · X4 · X6 · X8	Play/ Pause Video Zoom in	Move selection to the upper one
	Zoom out (Magnification cycle from large to small)	Stop Video Zoom out	Move selection to the lower one
	LED illumination increasing	/	/
	LED illumination decreasing	/	/

05. Operating Instruction

5 - 1 Video Mode

(Preview Mode)



• Video Menu :

Press **OK** key to enter ; Press **ESC** to exit ; Press **↑** / **↓** key to select item.



Selecting Item	Function	Remark
Sound	1.On 2. Off	
Grid	1.On 2. Off	
Mirror	1.On 2. Off	
Factory Set	1.Brightness 2.Contrast	Fine adjust image color

(Video Mode) Sound



(Video Mode) Grid



(Video Mode) Mirror



(Video Mode) Factory Set



1. Press **OK** key to execute setting, then press **📺** key to select "Brightness" or "Contrast".
2. Press **⬆️** / **⬇️** key to adjust the value of parameter.
3. Press **OK** key to confirm setting.
4. Press **ESC** key to exit setting.

05. Operating Instruction

5 - 2 Play Mode

Under "Video Mode" → Press **ESC** key to enter "File List Preview"

→ Press **▲** / **▼** key to select the file

→ Press **OK** key to check the file.



(Photo File *.jpg)



1. Press **▲** key : Zoom in.
2. Press **▼** key : Zoom out.
3. Press **⏪** key : Browse backward photo or Video.
4. Press **⏩** key : Browse forward photo or Video.

(Video *.avi)



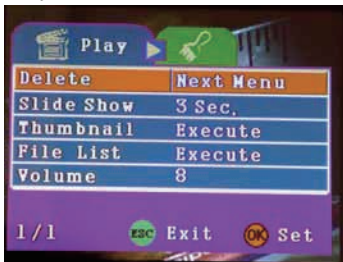
1. Press **▶** key : Play video.
2. Press **⏪** key again: Pause video.
3. Press **⏹** key : Stop video.
4. Press **⏩** key : Speed up playback.
5. Press **⏮** key : Rewind function.
6. Press **⏭** key : Forward function.

• Play Menu

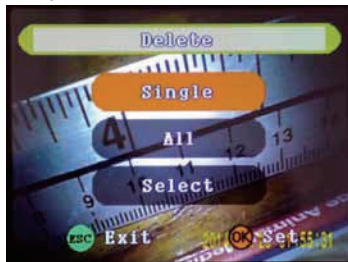
Press **ESC** key → Enter "File List Preview" → Under "Preview Mode" to select any photo or Video → Press **OK** key twice → Enter "Play Menu"

Selecting Item	Function	Remark
Delete	1.Single 2. All 3. Select	
Slide Show	1.3 Sec. 2. 5 Sec. 3. 10 Sec.	This function could be executed when the file number is more than 2.
Thumbnail	1.Execute 2. Cancel	
File List	1.Execute 2. Cancel	
Volume	Level 1~8	Default : Level 8

Play Menu



(Play Mode) Delete



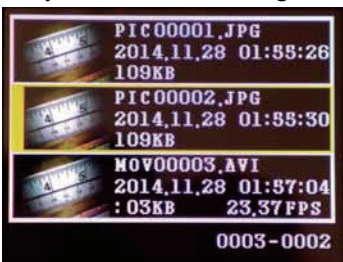
(Play Mode) Slide Show



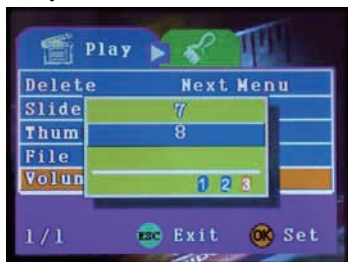
(Play Mode) Thumbnail



(Play Mode) File List Image Details



(Play Mode) Volume



05. Operating Instruction

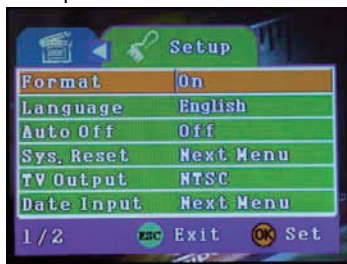
5 - 3 Setup Mode

- Setup Menu

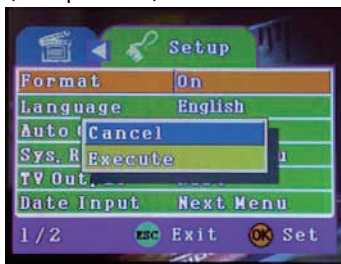
Press **OK** key then press **ESC** to enter "Setup Menu".

Selecting Item	Function				Default
Format	1.Cancel	2. Execute			Menu
Language	1. English 5. Español 9. 日本語 13. العربية 17. Hrvatski	2. Français 6. Português 10. Русский 14. čeština	3. Deutsch 7. 繁體中文 11. 한국의 15. Język polski	4. Italiano 8. 简体中文 12. Nederlands 16. Türkçe	English
Auto Off	1.5 Min	2. 10 Min	3. 60 Min	4. Off	5 Min.
Sys. Reset	1.Cancel	2. Execute			Menu
TV Output	1.NTSC	2.PAL			NTSC
Date Input	1.Off	2. Set			Menu
USB	1.PC-Cam	2. Disk Driver			Disk Driver

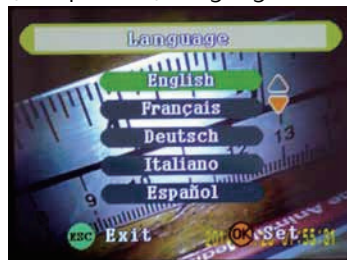
Setup Menu



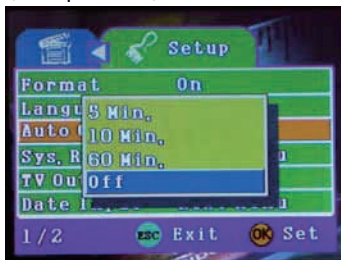
(Setup Menu) Format



(Setup Menu) Language



(Setup Menu) Auto Off



(Setup Menu) Sys. Reset










(Setup Menu) TV Output



(Setup Menu) Date Input



1. Press  /  key to select "Date Format"
2. Press  /  to select the adjusted item, then press  /  to set the Date / Hour / Minute / Second.
3. Press  key to confirm setting and exit.

(Setup Menu) USB






• MSD Setting

1. Enter "Setup Menu", and select "USB", then select "Disk Drive".
2. Insert micro-USB (Installing the USB driver in advance).

06. Specification

Model Name	M57
Display	3.5" digital LCD display
Resolution	640 x 480 pixels
Still Image Storage Format	JPEG
Video Recording Format	MPEG4 / AVI
Operation Language	17 languages are available (1.English 2.French 3.German 4.Italian 5.Spanish 6.Portuguese 7.Traditional Chinese 8.Simplified Chinese 9.Japanese 10.Russian 11.Korean 12.Dutch 13.Arabic 14.Czech 15.Polish 16.Turkish 17.Croatian)
USB Port	1.1 / 2.0
Saving Device	Include 4GB SD card (Support SD card up to 32GB)
Power Charger	100-240V AC in / 5V DC out
Battery	Built-in rechargeable Li-ion battery
Dimension	117 x 233 x 56 mm
Working Temperature	-20° C to 60° C
Working Humidity	≤85%
Maximum Operating Altitude	2000 m

07. Mark Instruction

	Refer to Manual / caution risk of danger
	Please read the user manual carefully before using
	Follow Waste Electrical and Electronic Equipment Directive 2002/96/EC (WEEE)

08. Preventive Examination

NOTE

Please execute preventive examination every time before using :

- Please make sure the inserting tube connect with the device well.
- Please make sure the power switch and keys could be operated properly.
- Please power on the device and check the indication light and monitor condition.

09. Product Cleaning and Maintenance



- Before operating : Please use 75% alcohol to wipe.
- After operating : Please use 75% alcohol to wipe.
- Product maintenance : 3 years factory inspection.

10. Declaration



The device would not apply to the warranty policy if the damage caused by the factors as below :

- The damaged caused due to user didn't follow the operating instruction.
- The manufacture and dealer would not be responsible for the data if damaged.
- The user connected the other brand accessories with our device.
- The damage caused by the accident or abuse (Including working load).
- The damage caused by incorrect storage way (Such as rodents, penetration of liquids).

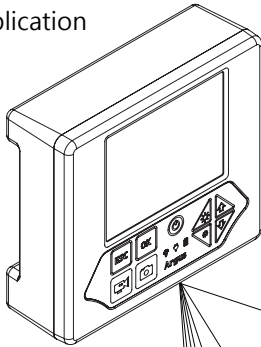
11. Attention



- Do not take the SD card out while taking photos or videos. That would cause data lost or machine damage. A 80X or higher speed SD card is recommend for better image performance. The system can support SD/SDHC cards up to 32GB.
- Do not use the machine under an environment near inflammable or hazardous substances.
- Do not disassemble the machine by self, it may cause electric shock or damage to the machine.
- Beware of coiling the insertion tube for storage. Do not coil or bend it too hard over 150 degree.
- Do not touch the insertion tube lens since high temperature could be produced after operating for a period of time.
- Please use the accessories as the product attached. Otherwise this may result in considerable damage to the machine.
- Do not expose the product to direct sunlight.
- Please store the product in a dry, well-ventilated place.
- Do not suggest operating the device during charging the battery.
- Please charge the battery for 8 hours to make sure the battery could be full-of-charge. Or user could check the battery capacity instruction to show the battery condition.

12. Application

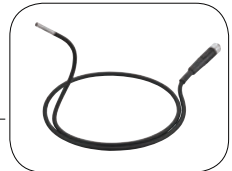
M57 Application



OD1.9-10mm
Fiber Optical
Rigid Scope



OD3.9-16mm
Standard Probe



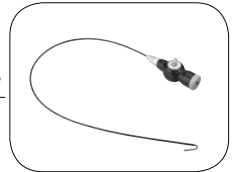
OD3.9-6.5mm 90°
Rigid Probe



OD40/50mm
Fiber Glass
Scope



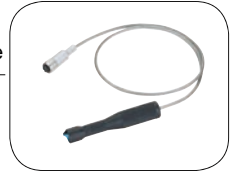
OD3.9-16mm
Articulation Probe



OD20/25mm
Fiber Glass
Scope



Pen Type



13. FAQ

Power on failure	Could not take photo and video recording
	Recharge the battery by power charger.
No inspection image	Check the probe connection.
	Be sure to plug tube well and restart the unit.
System crash	Please take a needle-like object made with insulating material to insert into the reset hole to reset the system.
Could not take photo and video recording	SD card is not placed accurately.
	SD card malfunctioned.

Customer Information

Model Name : _____

Customer Name : _____

Telephone Number : _____

Address : _____

E-mail : _____

Purchase Date : / / (DD/MM/YYYY)

Dealer's Name : _____

Dealer's Telephone Number : _____

Dealer's Address : _____

