

MAGNETI MARELLI

**Videoendoscope Mm-(Independent Device,
Memory 2Gb, Mirror 45)**

User's Manual

007935016750



Magneti Marelli Aftermarket Spółka z.o.o.

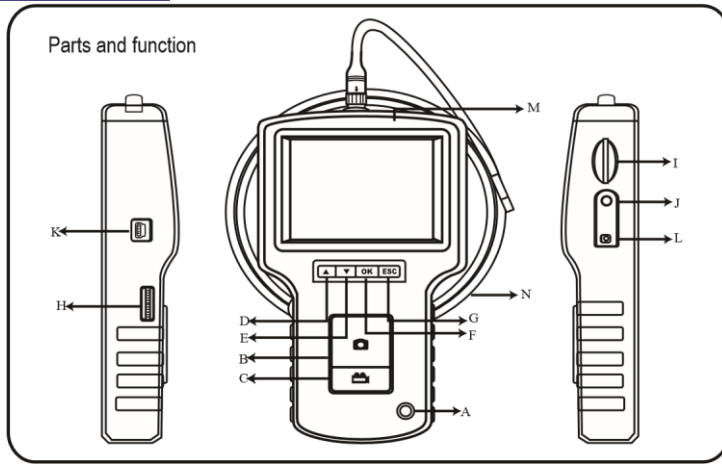
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Parts and function



- A. Power button
- B. PHOTO button
- C. REC button
- D. PREV button
- E. NEXT button
- F. Multi-selector
- G. Escape
- H. Light switch
- I. SD jack
- J. AV jack
- K. USB jack
- L. DC IN jack
- M. Main unit
- N. Probe / cable

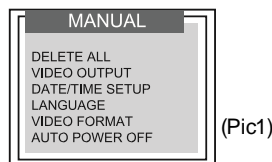
Main Menu

In preview mode: Press MENU button to display the various optional functions as follows:

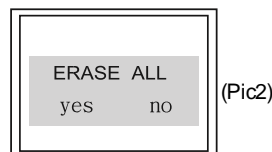
DELETE ALL
VIDEO OUTPUT
DATE/TIME SETUP
LANGUAGE
VIDEO FORMAT
AUTO POWER OFF

DELETE ALL set up

Displays a frame which includes two "PREV" and "NEXT" to select "Yes" or "No" and press OK to confirm.



(Pic1)



(Pic2)

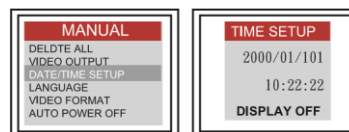
options as in picture 2. Use

VIDEO OUTPUT

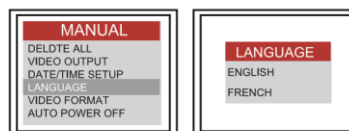
Once you insert the video cable, select viewing screen from the main unit to unit screen will turn black. You can the main unit by selecting the same

DATE/TIME SETUP

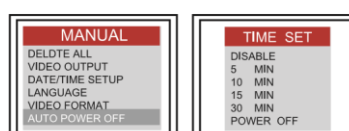
Press PREV button & NEXT button to hour/minute/second, and press REC numbers and press PHOTO button for "Date/Time" set up indicates "ON"



this function to transfer the television screen, the main transfer the screen back to function.



select year/month/day or button for increasing reducing number. If the status, the photo taken will



include the Time/Date of occurrence.

LANGUAGE SETUP

To select language.

VIDEO FORMAT SETUP

To setup the TV output format



AUTO POWER OFF SETUP

To setup time for auto power off

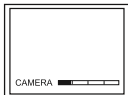
Installing(Getting started)

1.

Connect the probe with the main unit. Place the main unit facing inward and connect the probe (marked with an arrow) by inserting it to the main unit and screwed on (refer to B-1)
2.



















Press POWER button for 3~5 seconds to turn it on, then displays the sign as the one in B-2 that will disappear in 5 seconds and then you can start the use.
( Capacity of SD card  Capacity of battery)
3.



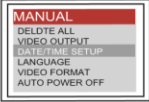



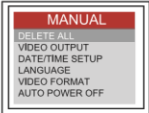
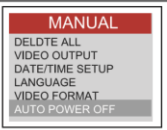
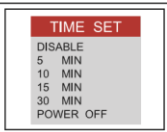
Press POWER button for 3~5 seconds to turn it off.



(B-1)(B-2)

Operation

PHOTO 	Touch  or press  to display the picture continually. Status:After taking picture, the system automatically switch back to preview mode.	
REC 	1. Press  for video recording. Status:Displays the sign  in the lower-left corner indicate recording status. 2. Press  to stop recording. Status: The symbol  in the lower-left corner disappears to indicate end of recording. P.S.: The video is saved automatically when you press  to stop recording and proceed with next action(picture taking or video recording).	
To survey photos and videos	1. In the preview mode press  or  Status:Display will show the last picture that was taken. 2. And press  or  to navigate between the photos stored on the memory-card. Status: Files are organized by date sequence.	  

DATE/TIME SETUP	<ol style="list-style-type: none"> 1.press OK to select 2.Press ▲ or ▼ to set Date (YY/MM/DD), Time (HR/MIN/SEC). 3.Press + for adding or - for decreasing the numbers (date/time) and further pressing + will go to "DISPLAY" option and press + or - for "ON"/"OFF" DISPLAY option. <div style="display: flex; justify-content: space-around; align-items: center;">   </div> <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;">Displays date</div> <div style="text-align: center;">Conceals date</div> </div> <div style="display: flex; justify-content: flex-end; gap: 10px;">   </div>
Input / Output Pictures into external viewing screen	<ol style="list-style-type: none"> 1.Connect the black AV cable with the main unit to the AV jack on the right side of the main unit. (P.S.: make sure the other cable is correctly connected with the external viewing screen.) 2.Press OK to select 3.Press ▲ or ▼ to transfer to "Video Output" option. 4.Press OK again <p>Status: Picture will output to external viewing screen</p> <p>PS. The function will detect automatically if AV cable is already inserted in the AV jack. If it is not, the image of screen will be switched back to the main unit.</p> 
To chose video format	<ol style="list-style-type: none"> 1.Press OK 2.Press ▲ or ▼ to select video format option. 3.Press OK 4.Press ▲ or ▼ to select NTSC or PAL 5.Press OK to comfirm
DELETE SINGLE FILE(LIMITED TO VIEWING MODE)	<ol style="list-style-type: none"> 1. Press ▲ or ▼ to choose the required file 2. Press OK to call up the delete option 3. Press ▲ or ▼ to choose "Yes" or "No" 4. Press OK to confirm 
DELETE ALL FILES	<ol style="list-style-type: none"> 1. Press OK to call up "DELETE ALL" in the Main Menu 2. Press ▲ or ▼ to choose "Yes" or "No" 3. Press OK to confirm 
Auto Power Off Setting	<ol style="list-style-type: none"> 1. Press OK 2. Press ▲ or ▼ to choose the Auto Power Off option 3. Press OK 4. Press ▲ or ▼ to choose the time options (5min/10min/15min/30min) or DISABLE option (if you don't want to have Auto Power Off) 5. Press OK to confirm <p>PS. Without prior setting the system will automatically switch off.</p> <div style="display: flex; justify-content: flex-end; gap: 10px;">   </div>

SD Card Routes

The main unit setting time: January 1st

File name: 11061423.JPG

1 1 06 1 4 2 3 .JPG Month Date Hous: Min: SEC Extension



11061423.JPG

Before first use, set up the time and date for the future management of the files.

The product press time is YEAR 2007, January 1st. If file name shows first two codes are 11, it indicates the time is preset time.

The file name is defined not by sequence ID, but by photoing time.

Picture file and video file are defined by the same way, only extension is different. Data-format for pictures is .jpeg data-format for video is .ASF.

Troubleshooting



No image on the Display after turning power on:

If battery is exhausted, please charge battery.

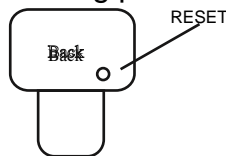
No image but lettering on the LCD monitor after turning power on:

Please check if connector is connected correctly. taking picture and recording video is not possible:

No SD card inserted or SD card is defect.

Shut down:

When all the function freeze or fail, please the hole on the back of the main unit. The automatically.



insert an insulated needle into system will restart

Indication to the safety of man and machine



Do not remove the SD Memory Card while data is being saved to the card while photographing or videoing, as this may cause the data to be lost or the card to be damaged. While videoing it need storage mass data, we recommend using more than 80X SD card to catch better quality.

Use cotton buds soaked in alcohol to clean the lens.

Don't use the product in dangerous environment such as oil tank.



Don't use chemical liquid to clean off the surface of the product.

Don't open the product unit, this might cause defect of the product and warranty expires.

Be careful with bending the probe. Don't bend it 180 degree for storing it.

Only use original spare parts, other spare parts might cause defect of the product.

Don't use the product in an aircraft and medical field.

Don't use the product in direct solar radiation.

Please keep the product in dry and adequately ventilated environment.

Technical Data / Specification

Handle Working Temperature	-20 - 60 °C
Probe Working Temperature	-20 - 70 °C
Total Storage Temperature	-20 - 60 °C
While Battery in charge	0 - 40 °C



System Specification

Power	DC5V
Display	3.5" TFT LCD Monitor 320*240 Pixels
Interface	Mini usb 1.1/ AV out / AV in/
Battery	Rechargeable Li-Polymer Battery (3.7V)
Video Out Format	NTSC & PAL
Recording medium	SD card (the capacity can be used up 2GB)
Compression Format	MPEG4
Still Image Storage Format	JPEG (640*480)
Video Recording Format	ASF (328*240)

Function

Quick Snap
Quick Video Recording
Quick Review
AV Out

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