

CAMOS

7" DIGITAL VIDEO WIRELESS SYSTEM

Instruction Manual

DW-703W

(CM-703DW + DVWS-100W)

Thank you for purchasing this product.
For proper usages and application,
please read this instruction manual thoroughly.



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* The design and specifications of this product in order to improve its quality
may be changed without notice.



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SAFEGUARD INSTRUCTIONS

7" DIGITAL VIDEO WIRELESS SYSTEM

Please read the "Safety Rules" carefully before using this product. Following the safety rules prevents users from damages related with the misuse of the product. It is very important to follow these safety rules. We state "Caution" and "Warning" to clarify any potential risk for a damage associated with the misuse of the product.



CAUTION

This information is for preventing damage or shorten the life time of the products.



WARNING

This information is for preventing bodily harm or even death and use should follow this safety rules.



CAUTION



Should install while power off. (After install products, connect DC jack)

--- It may cause to electronic shock or malfunction.



While stop driving (parking), set the car in motion.

--- It may cause battery discharge.



Do not use multi socket or extended adaptor.

--- It may cause unexpected heating, fire and malfunction.



Unplug product when do not use for a long time.

--- It may case fire by short circuit due to heating.



Do not place near magnet.

--- It may cause malfunction and trouble.



Do not push a LCD panel.

--- It may cause LCD broken.



In case of inserting battery, attend to polarity and insert according to direction.












--- When wrong inserting, it may cause fire, damage by explosion.



The battery for remote controller is not rechargeable and should replace same or similar model. Used battery may cause environmental pollution, so trash it carefully.

--- This may cause a malfunction and problem.

WARNING

-  **Do not put the product in place where sudden temperature increasing and should use on optimum voltage, temperature and humidity**
--- It may cause to electronic shock or malfunction.
-  **Do not get product wet and operate with wet hands.**
--- It may cause to electronic shock or malfunction.
-  **Do not place where interfere with visual field and watch or operate monitor during driving.**
--- It may cause traffic accident.
-  **Keep clean dust on power socket.**
--- It may cause electronic shock and fire by bad connection.
-  **Do not pull cord with a jerk, should catch a plug and pull.
Do not use damaged cord.**
--- It may cause cord malfunction, electronic shock and fire.
-  **When clean exterior, power off and wipe with dry cloth.**
--- Wet cloth may cause a electronic shock.
-  **Do not clean exterior with volatility or oily solvent.
Neither keep touching rubber and plastic for long time.**
--- It may cause change of surface, fall of paint, malfunction and fire.
-  **Do not place where vibration and shock.**
--- It may cause throw down and then malfunction and accident.
-  **Do not put a pin or needle on the hole or crack in the body.**
--- In case of inserting them, stop to operate, it may cause electronic shock, fire and malfunction.
-  **Do not use in problem condition as like smoking, smell something burn.**
--- It may cause fire. Stop to use and make inquiries to agency.
-  **Do not disassemble, repair and remodeling.**
--- It may cause malfunction and injury, can not get warranty.
--- Make inquiries to agent for repair and checkup.

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FEATURE

7" DIGITAL VIDEO WIRELESS SYSTEM

[CM-703DW]

- 8bit MICRO controller
- TFT LCD with high resolution and low reflection
- All functions are displayed on screen (OSD function)
- PWM volume control
- Mode selection function
- Low energy consuming rate
- Language Display Selection (KO-JP-DE-EN-SP-FR-IT)
- 4 Screen Mode (FULL-WIDE-NORMAL-CINEMA)
- Free voltage (From DC 12V to DC 24V)
- Dimmer selection function

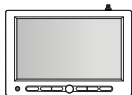
[DVWS-100W Tx]

- Black anodized aluminium housing with installation bracket
- Fixed unit 2.4GHz High power short antenna
- Connections for 6-Pol Mini DIN
- Video system: PAL
- High Level operating system
- Own DVWS ID-System
- Waterprotected housing

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BOX CONTENTS

7" DIGITAL VIDEO WIRELESS SYSTEM

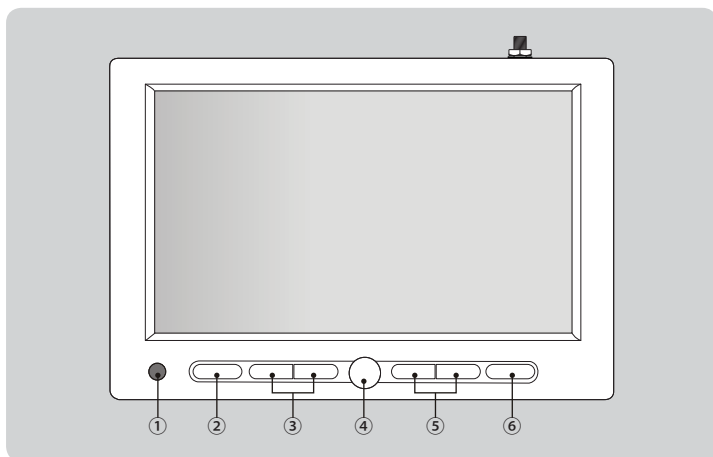
**Monitor****SMA-Antenna****Stand****Cigar Cable****Monitor Cable
(Option)****TRG
Extension Cable
(Option)****Remote Controller
(Option)****DVWS**

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FUNCTION OF EACH PART

7" DIGITAL VIDEO WIRELESS SYSTEM

[MONITOR]



① IR-SENSOR

② MENU

Button to Setup Screen and Function

③ SELECT $\wedge \vee$

Button to Select Menu

④ POWER

Power ON/OFF button

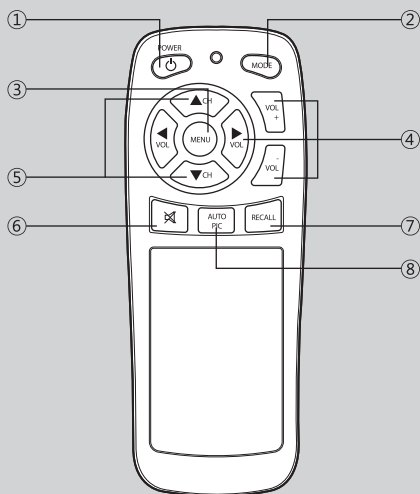
⑤ VOLUME $< >$

SOUND/MENU level control

⑥ MODE

DVWS/CAM1/CAM2 selection function

[REMOTE CONTROLLER (Option)]



- | | |
|-----------------|---|
| ① POWER | Power ON/OFF button |
| ② MODE | Selecting DVWS/CAM1/CAM2 |
| ③ MENU | Selecting MENU and changing functions |
| ④ VOL ◀▶(VOL+-) | Changing volume or MENU level |
| ⑤ CH ▲▼ | Moving Up/Down on MENU |
| ⑥ MUTE | Mute mode On/Off |
| ⑦ RECALL | Displaying the current channel and volume level |
| ⑧ AUTO PIC | Adjusting the screen setting |

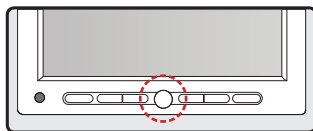
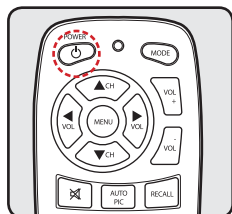
4

FUNCTIONS

7" DIGITAL VIDEO WIRELESS SYSTEM

** Remote controller is an option.

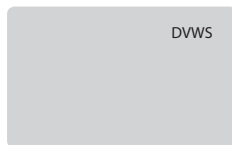
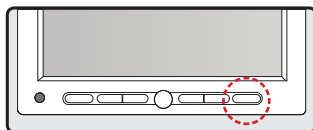
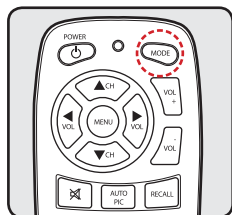
1 POWER



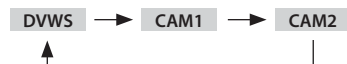
- 1) Press **[POWER]** button to the power. (STAND BY state is OFF)
- 2) Press **[POWER]** button again to off the power. (STAND BY state is ON)

2 MODE

• It is a function to change video signal.

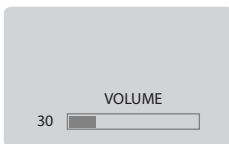
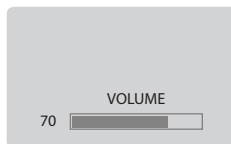
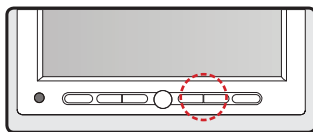
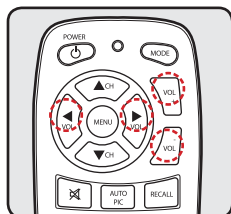


- 1) Press **[MODE]** button.
- 2) DVWS/CAM1/CAM2 appears on the screen and it is disappearing 5 seconds after setting.



- * DVWS product is for radio transmission device between monitor and DVD or camera. Just connect power by enclosed cigar cable then they are connected each other.
- * When it changes mode, the screen for CAM1/CAM2 will be shown in black. If want to get signal, please purchase and connect cameras with monitor cable.

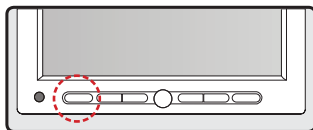
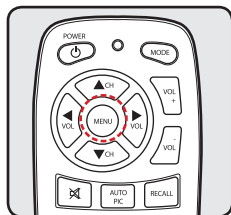
3 UP/DOWN



1) Press VOLUME < > button on monitor to adjust volume.

4 MENU

• It is a function to select MAIN MENU (SETUP/PICTURE/CAMERA)



1) Press [MENU] button to select MAIN MENU, changed color in red when it is selected.

2) Press [MODE] button to select SUB MENU, ^ v button to change SUB MENU.



DIMMER
LANGUAGE
DIRECTION
DISPLAY
RESET



ENGLISH
0°
WIDE
▶

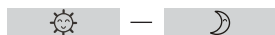


CONTRAST 70
BRIGHTNESS 70
COLOR 50
TINT 50



[1. SETUP]

• DIMMER



• LANGUAGE



• DIRECTION



• DISPLAY

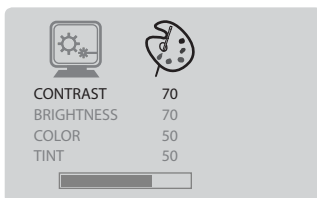
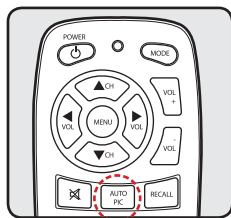


• RESET ▶

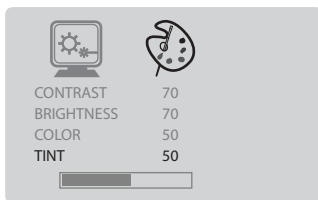
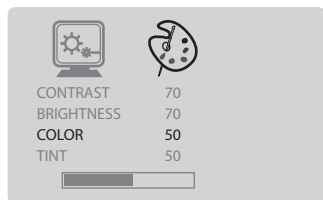
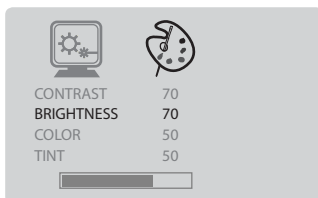
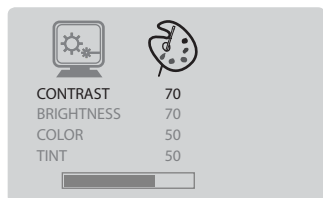
A factory default reset will clear all of OSD information.

[2. PICTURE USER]

- When press the [AUTO PIC] button on remote control, PICTURE SETUP menu is displayed on screen.

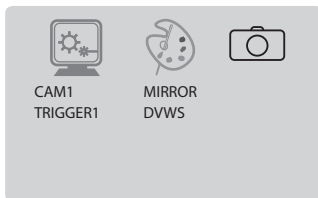


- 1) MODE button to select CONTRAST, BRIGHTNESS, COLOR, TINT MENU.
(Selected menu in red)
- 2) Press VOLUME < > button to change the settings of the different menu points.

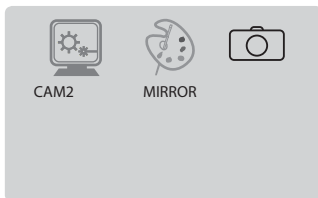


[3. CAMERA]

* CAMERA SETUP menu is displayed when the [MENU] button is pressed in CAM1/CAM2. And in the SETUP, NORMAL/MIRROR of CAM1/CAM2 or Output mode(CAM1/DVWS) of the trigger input in CAM1 could be selected.



<CAM1 mode>

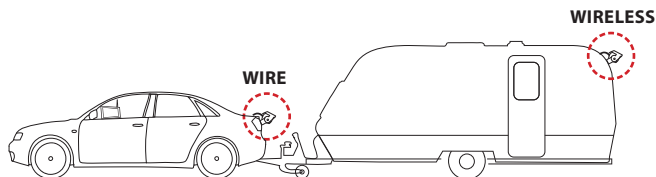


<CAM2 mode>

- 1) Press the SELECT $\wedge \vee$ button to choose CAM1; TRIGGER1 will turn red. Then, press the VOLUME $< >$ button. CAM1/DVWS sign will be appear in order to select TRIGGER1. (in CAM1 mode)
- 2) Press the VOLUME $< >$ button. NORMAL/MIRROR sign will be appear in order to adjust the screen to the right or left or to reverse the image. NORMAL/MIRROR signal will turn RED. (in both CAM1 and CAM2 mode)

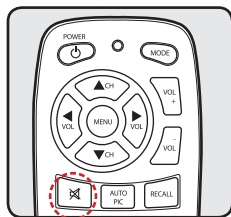
* NOTICE : If MIRROR mode is selected, the right and left of screen image will be reversed. However, any letters will be not be reversed.

* For example, if you use the monitor cable(option), then the trailer having the rear view camera could use another wireless camera by the choose of the trigger line selection.



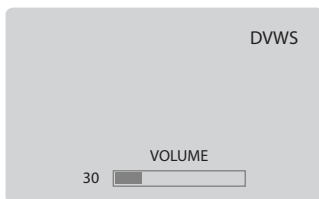
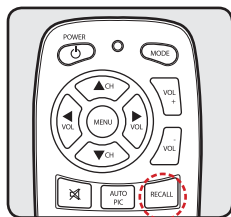
※ This function can be operated by the remote control.

5 MUTE



1) Press **[MUTE]** button to mute sound and display mute icon.

6 RECALL



1) Press **[RECALL]** button to check the MODE and Volume.

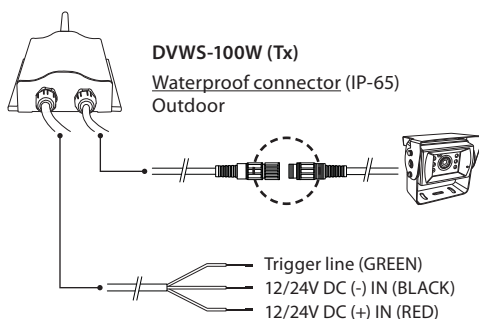
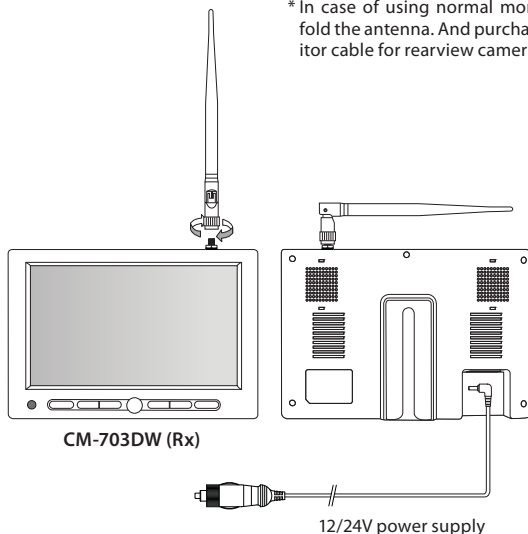
5

CONNECTIONS

7" DIGITAL VIDEO WIRELESS SYSTEM

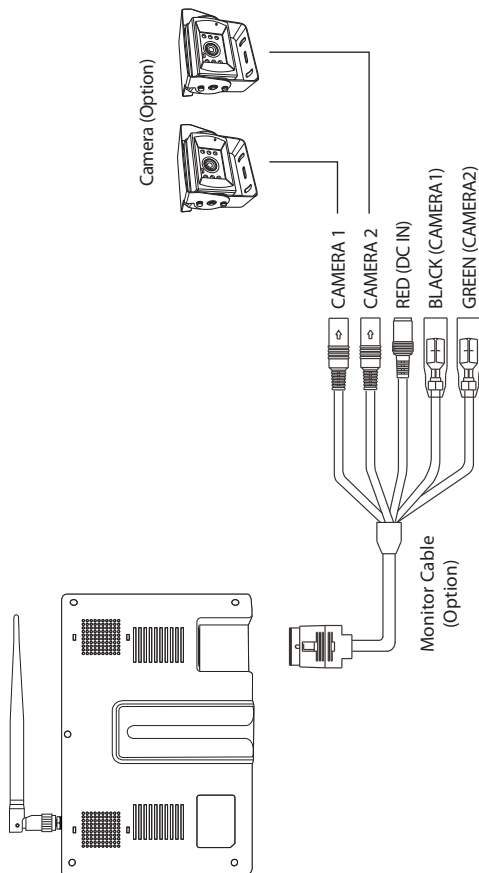
DVWS Receiver module is built-in monitor, when you use firstly just connect antenna and cigar jack. Then it works properly without additional work.

* In case of using normal monitor, disassemble or fold the antenna. And purchase and connect monitor cable for rearview camera connecting.



ATTENTION:

Green trigger-line only to use with CM-42 Tilt-camera.



BLACK (CAMERA 1, Priority)

FOR REAR VIEW

Connect this line to “+” of reverse light lamp.

GREEN (CAMERA 2)

FOR SIDE VIEW

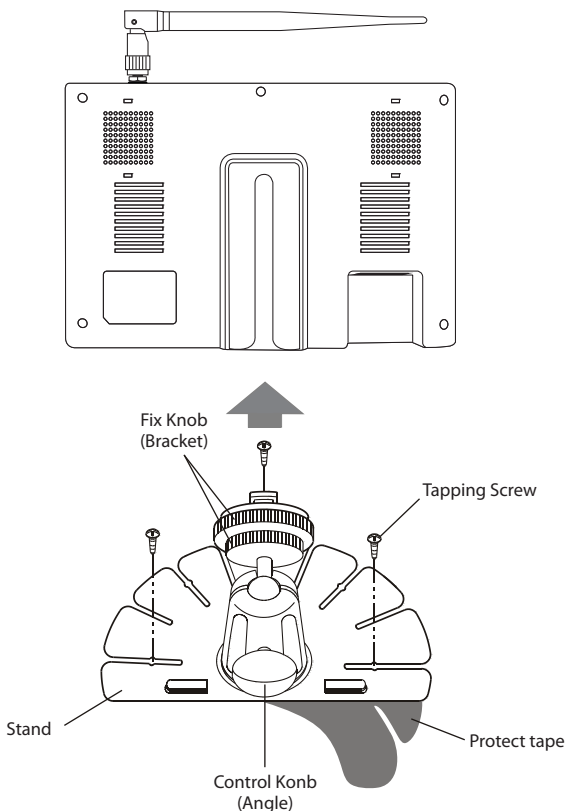
Connect this line to “+” of side light lamp.

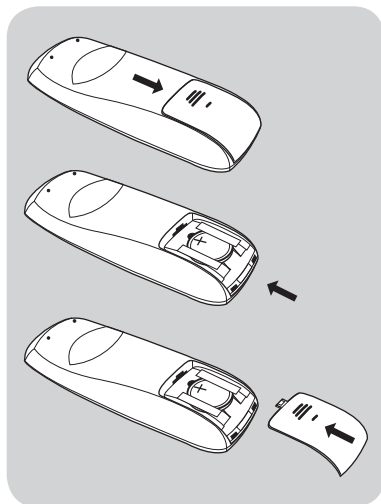
6

INSTALLATION

7" DIGITAL VIDEO WIRELESS SYSTEM

- (1) Please set the place for Monitor installation. Clean the place where to install stand and install stand firmly after removing protect tape of stand bottom.
- (2) Fix the stand with enclosed screws.
- (3) Assemble the monitor to stand and fix it in the right angle.
- (4) Connect cable as follows.





1. Pull the battery cover to the direction of the arrow.

2. Place a battery with the (+) sign upward. (No. CR2025)

3. Put the battery case back into the remote control in the direction of the arrow.

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SPECIFICATION

7" DIGITAL VIDEO WIRELESS SYSTEM

[CM-703DW]

ITEM		SPECIFICATION	
		NTSC	PAL
LCD PANEL	SCREEN SIZE	17.78 cm (7.0 inch)	
	DISPLAY FOMAT	480(H) x 3(RGB) x 234(V)	
	DOT PITCH	0.107(W) x 0.370(H) mm	
	BRIGHTNESS	500 cd/m ²	
	VIEW ANGLE	60°(H) / 50°(U) / 40°(D)	
POWER SUPPLY	VOLTAGE	DC 12V - 24V	
	CONSUMPTION	10 Watt	
INPUT SYSTEM	AUTO (NTSC/PAL)		
FREQUENCY	HORIZONTAL	15.734 Khz	15.625 Khz
	VERTICAL	60 Hz	50 Hz
VIDEO INPUT SIGNAL	Composite Video 75Ω 1Vp-p		
OSD DISPLAY	7 Language		
OPERATING TEMPERATURE	-10°C ~ 60°C		
STORAGE TEMPERATURE	-20°C ~ 70°C		
DIMENSION	197(W) x 121(H) x 31(D) mm		
WEIGHT	500g (Set only)		

[DVWS-100W Tx]

POWER SUPPLY	VOLTAGE	DC 12V - 24V
	CURRENT	4 Watt (DC 12V)
INPUT SYSTEM	PAL	
CHANNEL	Max, 13 (EU)	2.4 GHz ~ 2.4835 GHz
VIDEO INPUT SIGNAL	Composite Video Signal	
OPERATING TEMPERATURE	-10°C ~ 60°C	
STORAGE TEMPERATURE	-20°C ~ 70°C	
DIMENSION	125(W) x 90(H) x 33(D) mm	
WEIGHT	290g	
RANGE	up to 50m inside/ 200m out side	
OPERATING SYSTEM	High-Level OS embedded	
IMAGE TRANSFER RATE	30 fps real time Video transmitting	
COMMUNICATION	802.11 b/g Wifi Kommunikation	
CONDIFICATION SYSTEM	High Level Security 64/128 bit WEP, WPA, WPA2	



MEMO



MEMO