



Mobile Color TV

Operating Instructions _____ GB

_____ CT

Owner's Record

The model and serial numbers are located on the bottom of the unit.
Record the serial number in the space provided below.
Refer to these numbers whenever you call upon your Sony dealer regarding this product.

Model No. XTL-750W Serial No. _____

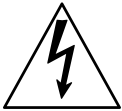
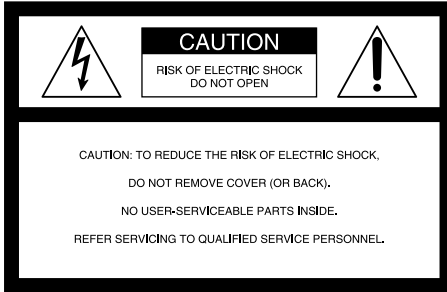
For installation and connections, see the supplied installation/connections manual.

###

XTL-750W

Warning

To prevent fire or shock hazard, do not expose the unit to rain or moisture.



This symbol is intended to alert the user to the presence of uninsulated “dangerous voltage” within the product’s enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



This symbol is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

WARNING

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

You are cautioned that any changes or modifications not expressly approved in this manual could void your authority to operate this equipment.

Welcome!

Thank you for purchasing the Sony Mobile Color TV.

- This unit can receive the TV broadcasts in the USA, China or Hong Kong, the country depending on the model.
- You can connect both PAL and NTSC video playback units (China only).
- The low reflection liquid crystal panel reduces the glare from outside lighting sources.
- The visual off function turns the picture off so you can listen to the TV or video sound only.
- The automatic memory function can store up to 12 stations.
- This unit has several input/output terminals for connecting a video player, navigation system, and rear monitor.
- In addition to normal screen mode, full screen, zoom screen, and wide-zoom screen modes are also available.
- The backlighting control (DIMMER) produces sharp contrast images free from reversed or blurred colors. Furthermore, the Auto bright control feature continuously makes automatic adjustments to screen brightness in response to the surrounding light conditions. Manual brightness adjustment is also available for two set levels, high and low.

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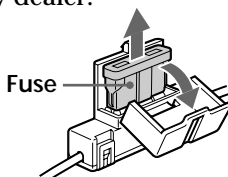
Warning and Precautions

Warning

Never use a fuse with an amperage rating exceeding the one supplied with the unit as this could damage the unit.

Fuse replacement

When replacing the fuse, be sure to use one that matches the amperage described on the original fuse. If the fuse blows, check the power connection and replace the fuse. If the fuse blows again after replacement, there may be an internal malfunction. In such a case, consult your nearest Sony dealer.



Precautions

- Do not mount the monitor where it will obstruct the driver's view.
- Do not touch the TV antenna and monitor at the same time during storms to avoid electric shock.
- If your car was parked in direct sunlight resulting in a considerable rise in temperature inside the car, allow the unit to cool off before operating.

If you have any questions or problems concerning your unit that are not covered in this manual, please consult your nearest Sony dealer.

Preventing accidents

The TV/video pictures appear only after you park the car and set the parking brake.

When the car starts moving, the TV/video pictures automatically disappear for safety reasons, and the following caution is displayed for 5 seconds.

**PICTURE OFF
FOR
YOUR SAFETY**

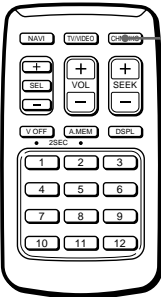
Do not operate equipment connected to the TV tuner unit or watch the monitor while driving. You may cause a traffic accident if your attention is distracted by the monitor.

Comply with the Road Traffic Laws in your country.

Getting Started

Selecting a TV system (China only)

If you select the TV system, press **CHN/HKG** on the wireless remote. If there is no sound, press **CHN/HKG** again. When you select the TV system, the TV program numbers appear as follows.

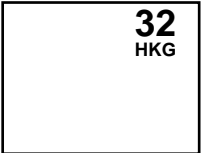


CHN/HKG button

China



Hong Kong

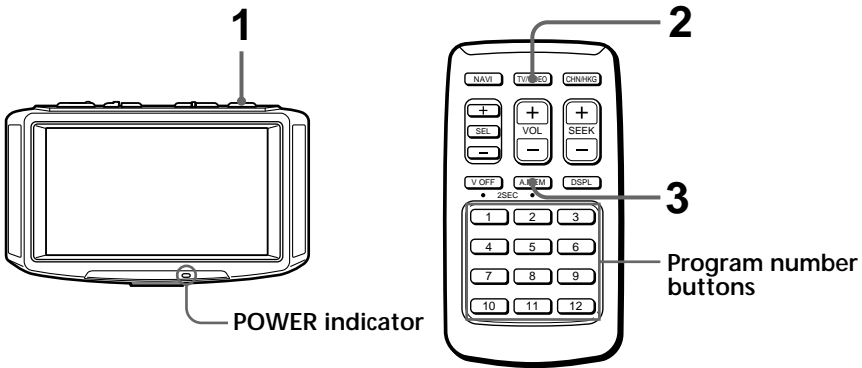


Storing TV stations automatically

(Automatic memory function)

You can store up to 12 VHF/UHF stations.

VHF stations on program numbers 1 through 12 are stored on the program number buttons. UHF stations on program numbers 21 through 69 (13 through 57 for China, 14 through 69 for USA) are stored in order after the stored VHF stations.



- 1** Press **POWER** on the TV.
The power indicator lights up.
- 2** Press **TV/VIDEO** repeatedly until a TV program appears on the display.
- 3** Press **A.MEM** on the wireless remote for two seconds.

The wireless remote stores VHF stations on the program number buttons corresponding to the VHF station numbers. UHF stations are stored on the remaining program number buttons in order.

Example

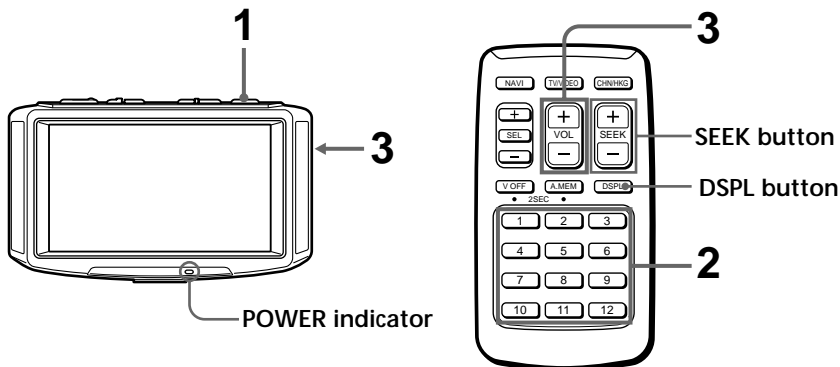
Program number button	1	2	3	4	5	6	7	8	9	10	11	12
VHF station	13*	2	-	4	-	6	-	8	-	10	-	12
UHF station	21	-	24	-	27	-	32	-	34	-	48	-

* USA only

Watching a TV Program

Note

The TV picture does not appear while the car is moving for safety reasons.



- 1** Press **POWER**.
The POWER indicator lights up.
- 2** Press the program number buttons (1 through 12) to select the desired TV station.
The TV program number appears for five seconds in the upper right corner of the display each time you select a station.
- 3** Adjust the volume.
Press the VOL button on the monitor, or press **VOL** on the wireless remote.

Turning on the on-screen display

Press **DSPL**.

To turn off the display, press it again.

Turning off the TV

Press **POWER**.

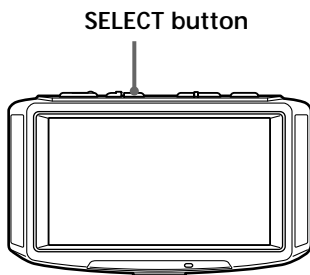
If you cannot receive the stored stations while traveling

Press **SEEK** momentarily to search for the station automatically.

When the unit receives a station, it stops scanning. Press the button repeatedly until the desired station is received.

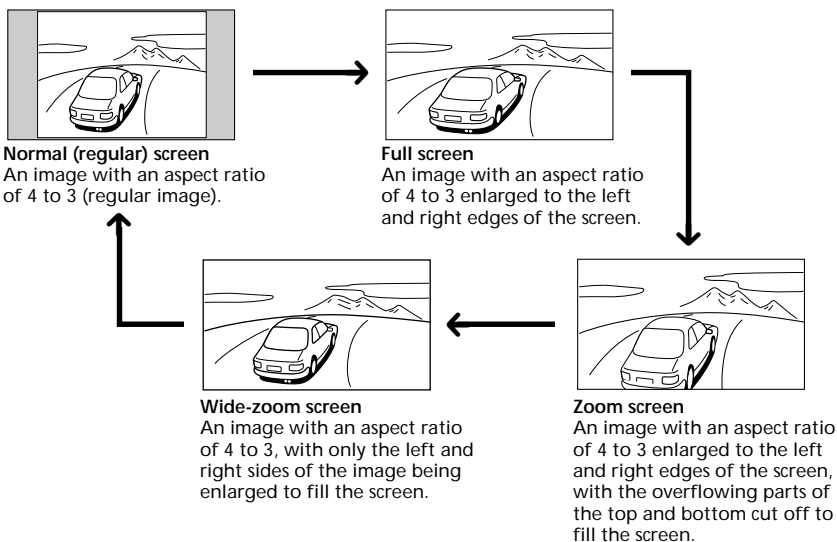
Viewing the Wide Screen

In addition to normal screen mode, full screen, zoom screen, and wide-zoom screen modes are also available.



Press the SELECT button.

Pressing the SEL button switches the screen mode in the following sequence:



Tips

- With this operation:
 - The wireless remote does not work.
 - Beeps are deactivated.
 - The screen size type is not displayed.
- When you turn on the unit again, the screen mode is reset to full screen.

(Continued)

- Images may appear coarse-grained when viewed in the zoom screen mode.
- This unit is manufactured according to wide-zoom specifications for typical home-use wide TV sets.
- Changing the screen mode will also change the scale of the map screen on your navigation system.

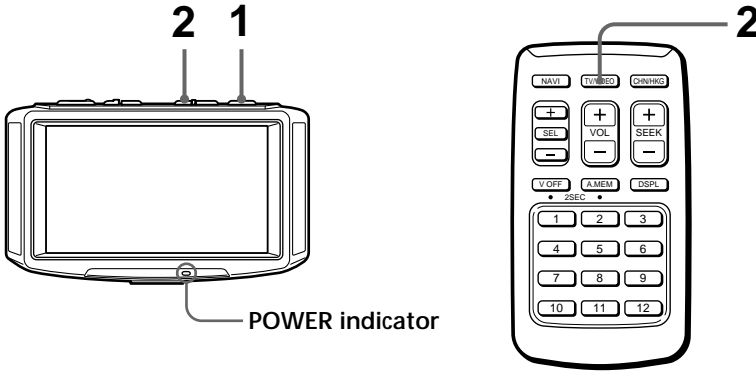
Watching a Video

Note

The video picture does not appear while the car is moving for safety reasons.

You can watch video CDs and cassettes recorded in either the PAL or NTSC color system (China only). Make sure a video player is correctly connected to the TV tuner unit.

For details, see the Installation/Connections manual.

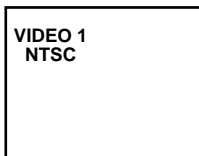


- 1** Press **POWER**.
The POWER indicator lights up.
- 2** Press **TV/VIDEO** to select the input you connected the video player to, VIDEO 1 or VIDEO 2.
Each time you press **TV/VIDEO**, the indication changes as follows.

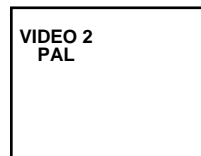
→ TV program number → VIDEO 1 → VIDEO 2 →

- 3** Turn the video player on and begin playback.
The unit displays PAL or NTSC color system video pictures and the following display appears for five seconds (China only).

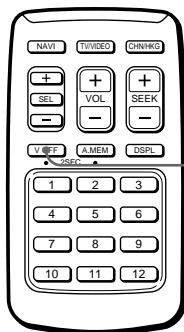
NTSC Video



PAL Video



Listening to the TV/video Sound with the Picture Off (Visual off function)



V (visual) OFF button

Press **V OFF** for two seconds.

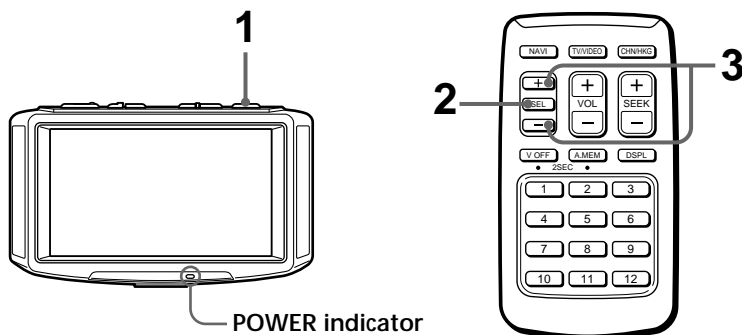
Only hear the sound of the selected program is heard.

To cancel the visual off function, press **V OFF** again. If you turn the unit off or turn the ignition switch to the OFF position, the visual off function will be canceled.

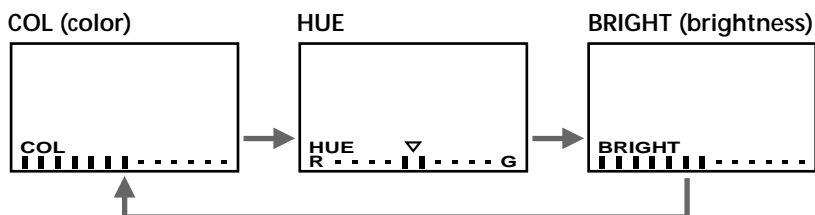
The visual off function is also canceled when you select another TV program with the program number buttons (TV only).

Adjusting the Picture

You can adjust the color, hue and brightness of the picture.



- 1** Press **POWER**.
The POWER indicator lights up.
- 2** Press **SEL**.
Each time you press **SEL**, the items change as follows.



Note

You do not need to adjust HUE when watching a TV program or playing back PAL video sources. When you press **SEL**, only COL and BRIGHT appear (China only).

- 3** Press either **SEL (+)** or **(-)** to adjust.
Press one of these buttons within five seconds. The item will be canceled after five seconds if you do not touch the **(+)** or **(-)**.

	Color	Hue	Brightness
(+)	For more color intensity	To make the picture greenish	To brighten the picture
	↕	↕	↕
(-)	For less color intensity	To make the picture reddish	To darken the picture

(Continued)

Tips

- To restore the factory settings, press (SEL) for more than two seconds, VISUAL STD (standard) appears.
- If the picture is too dark or too bright from the viewing position, press (SEL) to select BRIGHT and press (+) or (-).

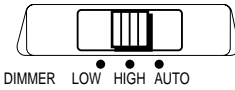
Adjusting the Screen Brightness

(Auto bright control)

Depending on the surrounding light, you can adjust the screen brightness by controlling the brightness of the fluorescent pipe installed in the liquid crystal panel.

Change the DIMMER selector located on the side of the monitor to LOW, HIGH, or AUTO.

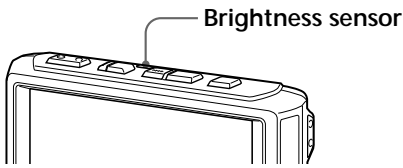
Side of the monitor



- LOW:** Reduces the screen brightness.
- HIGH:** Increases the screen brightness.
- AUTO:** The unit responds to the surrounding light and adjusts the screen brightness automatically (auto bright control).

Notes

- Do not cover the brightness sensor. If you cover the sensor, the auto bright control will not work.

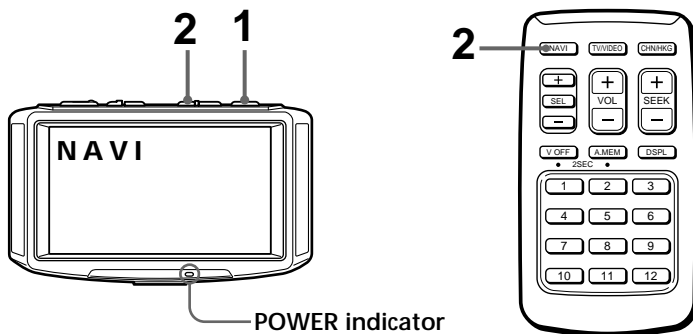


- The HIGH setting may make the screen look dazzling to your eyes in the nighttime. Driving immediately after viewing the screen could be dangerous; wait for your eyes to get accustomed to the surround light before driving.

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Using the Navigation System

You can display navigation information by connecting an optional navigation system.



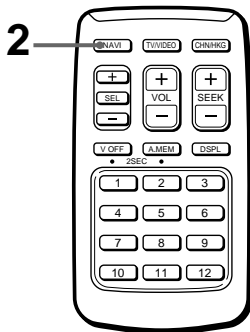
- 1** Press **POWER**.
The POWER indicator lights up.
- 2** Press **NAVI** momentarily.
NAVI appears for five seconds in the upper left corner of the screen.

Note

As of January 1999, the Sony navigation system is not available.

Listening to the TV/video Sound while Using the Navigation System (Simultaneous play function)

You can listen to the TV or video sound even while the navigation system is on.



- 1** Press **(POWER)** and select a TV program, or select VIDEO 1 or VIDEO 2 and begin video playback.
- 2** Press **(NAVI)** for two seconds.
The navigation display appears, and the sound of the selected TV program or video is heard.

Listening to another TV program

Press a program number button or **(SEEK)**.

Changing to the TV or video screen

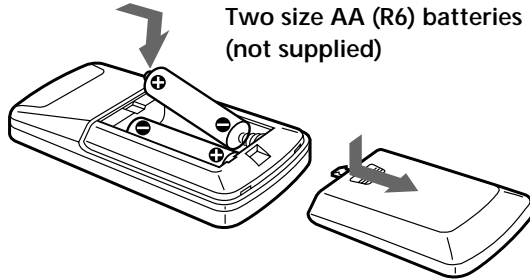
Press **(TV/VIDEO)**.

Canceling the simultaneous play function

To turn the TV or video sound off, press **(NAVI)** for two seconds.

Additional Information

Installing the batteries



Battery life is about six months depending on how much you use the wireless remote.

Notes on batteries

To avoid damage from battery leakage and subsequent corrosion:

- insert the batteries matching the “+” and “-” on the batteries to the “+” and “-” in the battery compartment
- do not use an old battery with a new one, or different types of batteries together
- remove the batteries when you do not use the unit for a long period of time
- do not charge the batteries.

If any battery leakage occurs, clean the battery compartment and replace all the batteries with new ones.

Notes on the wireless remote

- Do not leave the wireless remote near any heat sources, or in a place subject to direct sunlight (especially on the dashboard).
- When you park your car in direct sunlight, place the wireless remote in a location such as the glove-box, where it will not be subjected to direct sunlight.

About wireless radios and portable telephones

When you use a wireless radio or portable telephone near this unit, picture or sound interference may occur. Do not use these devices near this unit.

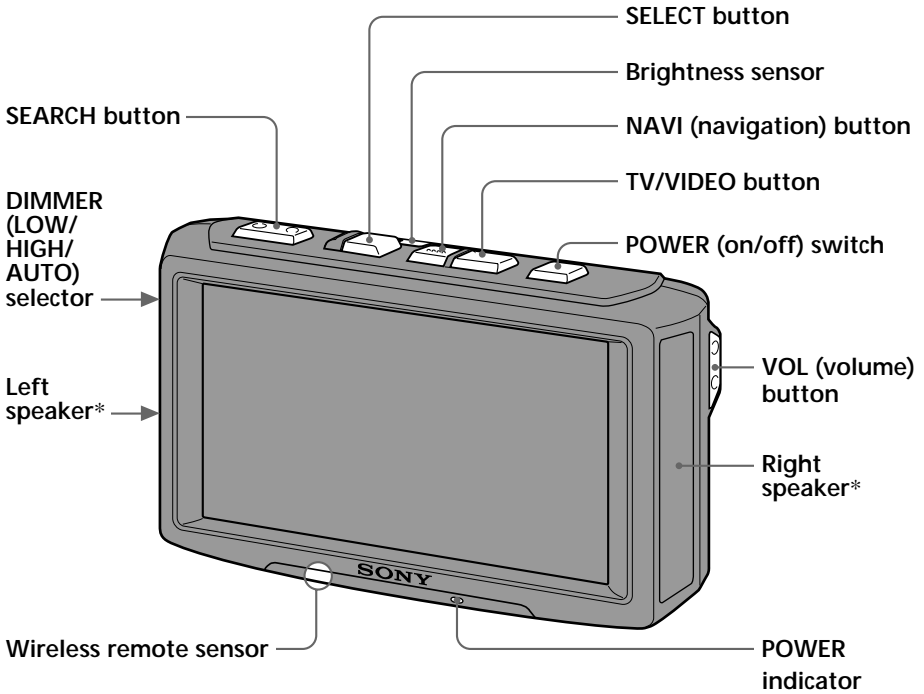
About the liquid crystal display (LCD) panel

- Do not press on the LCD panel of the monitor unit as doing so can distort the picture or cause a malfunction. The picture may become unclear or it may damage the LCD panel.
- Notes on cleaning
 - Clean the LCD panel with a slightly damp, soft cloth. Use mild household detergent.
 - Do not use solvents such as benzine, thinner, commercially available cleaners, or antistatic spray.
- Do not use this unit in temperatures under 5° C or over 45° C.
- If your car was parked in a cold or hot place, the picture may not be clear. The monitor is not damaged. The picture will become clear after the temperature in your car becomes normal.

Some stationary blue or red dots may appear on the screen. These are called bright spots, and can happen with any LCD. The LCD panel is highly sophisticated, and more than 99.99 % of the segments used in the panel are flawless. However, there is a possibility that less than 0.01 % of the segments are defective and may not light up properly. However, these segments will not interfere with your viewing.

Location of Controls

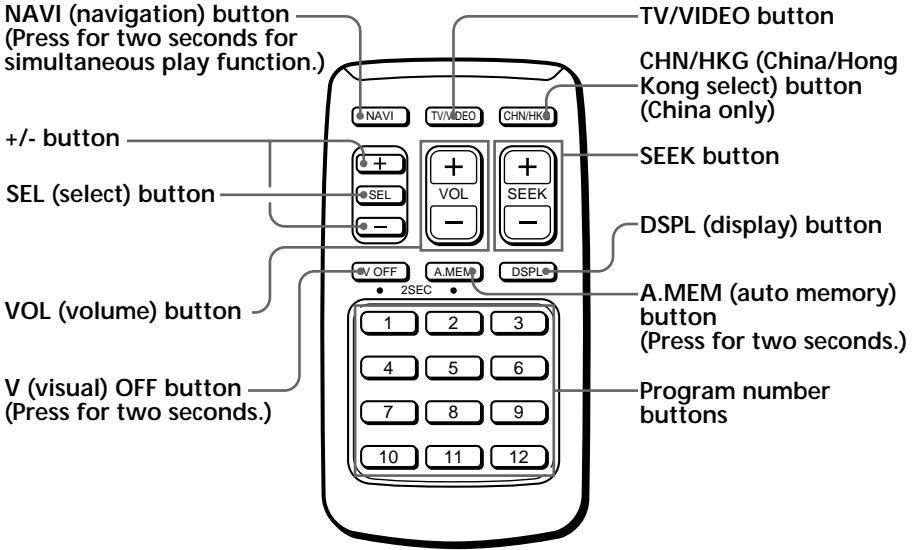
Monitor



* Monaural sound is heard from the left and right loudspeakers.

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Wireless remote



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Specifications

Monitor

System	Liquid crystal color display
Display	Transparent TN LCD panel
Drive system	TFT active matrix system
Picture size	7 in.; 155.52 × 87.75 mm, 178.57 mm (w × h, diagonally)
Picture segment	336,960 (w 1440 × h 234)
Speaker type	35 × 20 mm dynamic speaker × 2
Power requirements	12 V DC car battery (negative ground)
Current drain	Approx. 1.0 A
Dimensions	215 × 126.5 × 34 mm (w × h × d)
Operating temperature	5° C ~ +45° C
Mass	Approx. 650 g

TV tuner unit

Television system	China CCIR I,D,K system USA NTSC
Color system	China TV: PAL Video: PAL, NTSC USA TV: NTSC Video: NTSC
Channel converge	VHF: 1 CH ~ 12 CH (China) 2 CH ~ 13 CH (USA) UHF: 14 CH ~ 69 CH (USA) 13 CH ~ 57 CH (China) 21 CH ~ 69 CH (Hong Kong)
Power requirements	12 V DC car battery (negative ground)
Current drain	Approx. 0.5 A
Output terminals	Video output: RCA pin 1 Vp-p, 75 ohm Audio output: RCA pin -10 dBs, 10 kohm Monitor output: Square 16 -pin (exclusive)

Input terminals

Video input (2 system):	RCA pin 1 Vp-p, 75 ohm
Audio input:	RCA pin -10 dBs, 10 kohm
Antenna input:	mini plug
Navigation input:	Square 16 -pin (exclusive) RCA pin: Video 1 Vp-p, 75 ohm Audio (monaural) -10 dBs, 10 kohm
Dimensions	202 × 30 × 140 mm (w × h × d)
Mass	Approx. 750 g

Wireless remote

Power requirements	AA (R6) battery × 2
Operable range	Approx. 3 m
Dimensions	62 × 25 × 115 mm (w × h × d)
Mass	Approx. 100 g (including batteries)

TV antenna

Cord	5 m (196 ⁷ / ₈ in.), 75 ohm
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Supplied accessories

Wireless remote (1)
Power input cord (1)
Monitor cable (1)
TV antenna (1)
Parts for installation and connections (1 set)
Cleaning cloth (1)

Optional accessories

Power switch adaptor XA-15

Design and specifications are subject to change without notice.

Troubleshooting Guide

Problem	Cause/Solution
No picture, no sound	<ul style="list-style-type: none">• The power cord or battery has been disconnected.• The fuse has blown.• Press (TV/VIDEO).
Good picture, but no sound	Press the (+) side of the volume button on the wireless remote, or the VOL button on the monitor.
Dotted lines or stripes	This may be caused by local interference such as a car engine or motorcycle. Adjust the antennas for minimum interference.
The picture is blurred, or has double images or ghosts	Connect the antennas securely. This may be caused by reflections from nearby mountains or buildings.
No picture, or no sound when you connect the optional equipment	<ul style="list-style-type: none">• The cord has been disconnected. Connect the cord securely.• Press (TV/VIDEO).
Cannot select a channel or cannot view a TV program	<ul style="list-style-type: none">• Select the TV. → Press (TV/VIDEO) and select the TV mode.• The wireless remote batteries may be exhausted.• Press (A.MEM) button for two seconds.
Good sound but no picture	<ul style="list-style-type: none">• The visual off function is working. → Press (V OFF).• Driving while the TV or video player is on. → For safety, the picture will not appear.
No response when pressing the buttons on the wireless remote	The wireless remote batteries may be exhausted.

Sony **on**line <http://www.world.sony.com/>

