

**clarion®**

IN-DASH WIDE 5.8" COLOR LCD TV WITH CD CHANGER CONTROL

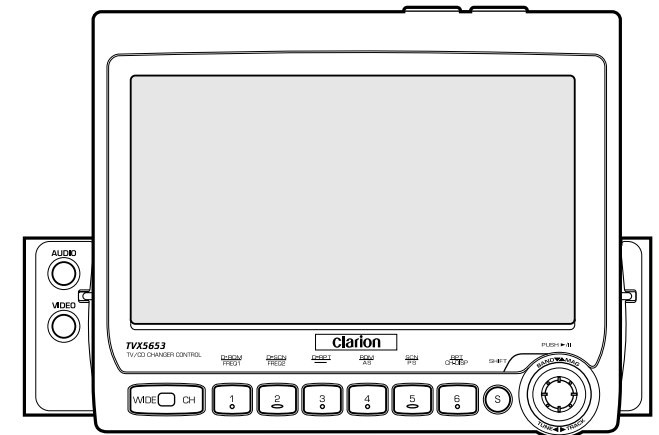
TÉLÉVISEUR COULEUR LCD 5,8" LARGE ENCASTRÉ DANS LE TABLEAU DE BORD, AVEC COMMANDE DE CHANGEUR CD

TELEVISOR CON PANTALLA DE CRISTAL LÍQUIDO EN COLOR PANORÁMICA DE 5,8" EMPOTRADO EN EL TABLERO DE INSTRUMENTOS CON CONTROL DE CAMBIADOR DE DISCOS COMPACTOS

## **TVX5653**

Owner's Manual & Installation  
Mode d'emploi et manuel d'installation  
Manual de instrucciones y de instalación

**C-BUS**



*Thank you for purchasing the **Clarion TVX5653**.  
Nous vous remercions d'avoir acheté le **Clarion TVX5653**.  
Muchas gracias por la adquisición del **TVX5653 Clarion**.*

**Clarion Co., Ltd.**

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**QZ-6012B**  
**280-7485-00**

- \* Please read this Owner's Manual & Installation in its entirety before proceeding with wire connection and installation.
- \* After reading this manual, be sure to keep it in a handy place (e.g., glove compartment). If you sell the motor vehicle, please leave the manual in it so that the new owner can use it.
- \* Read the contents of the enclosed warranty card and keep it with this manual.
- \* The section "CD Changer Mode Operations" of this Owner's Guide provides the operation procedure of a CD changer which is connected to TVX5653 by C-BUS cable. (If you buy the CD changer only, it is accompanied only by its owner's guide. The operation guide of the CD changer is included in this Owner's Guide.)

- \* Veuillez lire attentivement tout ce mode d'emploi et guide d'installation avant de procéder aux connexions et à l'installation.
- \* Après avoir lu ce mode d'emploi, prenez soin de le conserver dans un endroit pratique (par ex: la boîte à gants). Si vous vendez votre véhicule à moteur, laissez-y le manuel de façon que le nouveau propriétaire puisse l'utiliser.
- \* Lisez le contenu de la carte de garantie comprise et conservez-la avec ce manuel.
- \* La section "Fonctionnement du mode changeur de CD" de ce mode d'emploi explique le fonctionnement d'un changeur CD connecté au TVX5653 par un câble C-BUS. (Si vous achetez le changeur de CD indépendamment, il est seulement accompagné de son propre mode d'emploi. Le guide de fonctionnement du changeur CD et compris dans ce mode d'emploi.)

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## 2. CONTROLS / COMMANDES / CONTROLES

**Note:** Be sure to spread this page and refer to the front diagrams when you read each chapter.

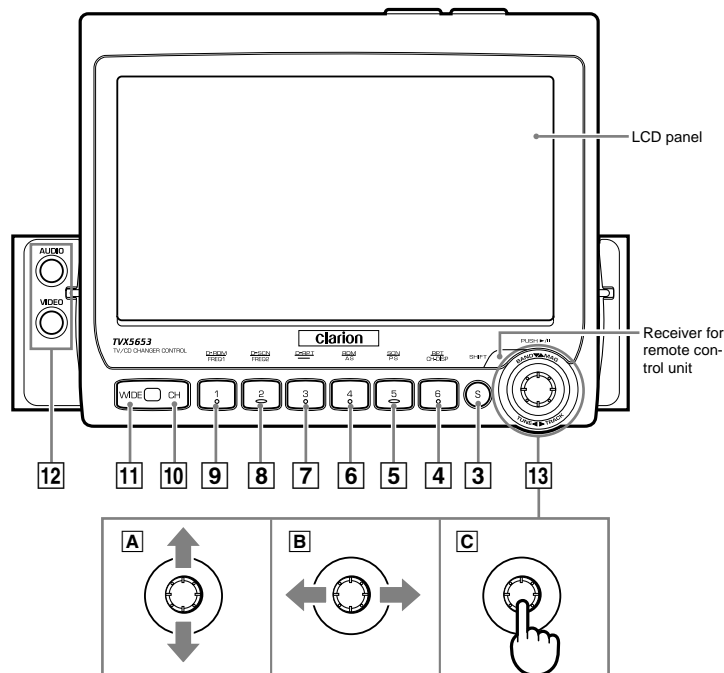
**Remarque:** Veuillez déployer cette page et vous référer à ses schémas de la face avant quand vous lisez chaque chapitre.

**Nota:** Cuando lea los capítulos, despliegue esta página para ver los diagramas de la parte frontal.

**When the display is open**

**Lorsque l'afficheur est ouvert**

**Cuando el visualizador esté abierto**

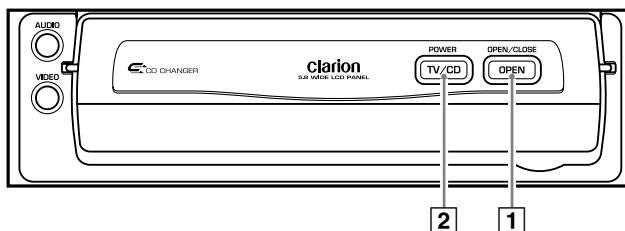


**SOURCE UNIT / APPAREIL PILOTE / UNIDAD FUENTE**

**When the display is closed**

**Lorsque l'afficheur est fermé**

**Cuando el visualizador esté cerrado**



## 3. BUTTON TERMINOLOGY

**Note:** Be sure to read this chapter referring to the front diagrams of chapter "3. CONTROLS" on page 5 (spread).

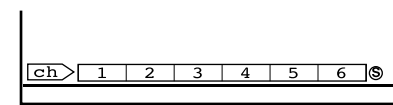
### TV function buttons

1 OPEN button

2 TV/CD button

3 SHIFT button

Pressing the SHIFT button displays the menu screen and enables the preset channel number buttons and menu screen to be selected alternately. This screen shows the functions of the preset channel buttons (4 to 9).



<Preset channel numbers>

4 ~ 9 Preset channel button

4 DISP (display) button

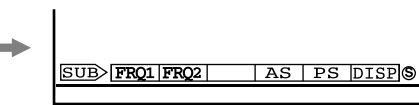
5 PS (preset scan) button

6 AS (auto store) button

8 FM modulator frequency 2 button

9 FM modulator frequency 1 button

10 CH (channel) button



<Menu screen>

11 WIDE button

12 VIDEO input terminal

13 Joystick

A: Band selection (▲ ▼)

B: Tuning (◀ ▶)

C: Picture quality adjustment button

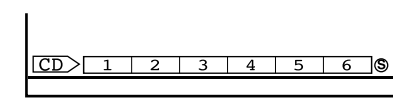
### CD changer function buttons

1 OPEN button

2 TV/CD button

3 SHIFT button

Pressing the SHIFT button displays the menu screen and enables the preset channel number buttons and menu screen to be selected alternately. This screen shows the functions of the disc selector buttons (4 to 9).



<Disc numbers>

4 ~ 9 Direct button

4 RPT (repeat) button

5 SCN (scan) button

6 RDM (random) button

7 D-RPT(disk repeat) button

8 D-SCN (disk scan) button

9 D-RDM (disk random) button



<Menu screen>

13 Joystick

A: Magazine selection (▲ ▼)

B: Program search (◀ ▶)

C: Play/pause button

## 4. FEATURES

- 5.8" Wide (16:9) TFT Active Matrix Drive Type Color LCD Panel
- 4 Modes Supported: Cinema, Wide, Full Wide and Normal
- Wide Viewing Angle, Low Reflectance and High-brightness Panel Employed
- Shell Loading Mechanism
- Preset Tuning (total of 12 stations), Manual Tuning and Automatic Tuning Facilities for Speedy Selection of Any Broadcast Station
- CD Changer Control Capabilities
  - \* Available when the CD changer is connected
- Very Easy and Functional Operation
- Stereo VTR input Terminals are Provided on the Front Panel
- Built-in 4-channel Diversity TV

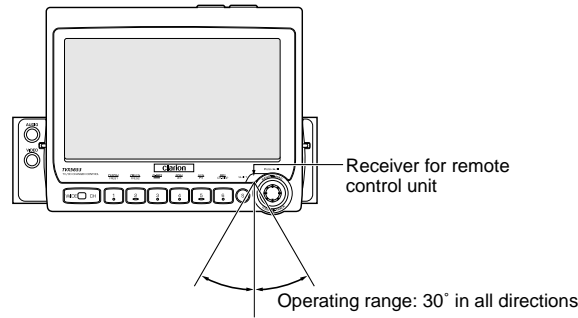
## 4. CARACTÉRISTIQUES

- Panneau LCD couleur large (16:9), de 5,8", à entraînement de matrice active TFT
- 4 formats supportés : Cinéma, Large, Extra large et Normal
- Panneau à angle de visionnement large, faible coefficient de réflexion et haute luminosité
- Mécanisme de chargement à coquille
- Modes d'accord pré-réglé (12 stations au total), accord manuel et accord automatique, pour accélérer la sélection des stations
- Commande de changeur CD
  - \* Disponible si vous raccordez un changeur CD.
- Fonctionnement extrêmement simple et fonctionnel
- Des prises d'entrée de magnétoscope stéréo sont prévues en façade.
- Télévision en diversité 4 canaux intégrée

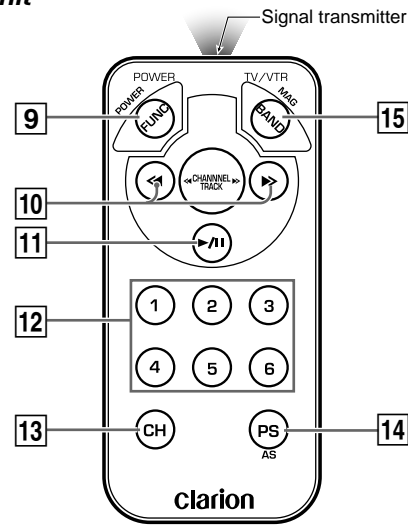
## 4. CARACTERÍSTICAS

- Panel de cristal líquido en color de tipo matriz activa TFT con pantalla panorámica (16:9) de 5,8"
- 4 modos posibles: Cine, pantalla panorámica, pantalla panorámica completa, y pantalla normal
- Utilización de un panel de amplio ángulo de visión, baja reflectancia, y gran brillo
- Mecanismo de carga estratiforme
- Modos de sintonía de canales memorizados (12 canales en total), sintonía manual, y sintonía automática para poder seleccionar rápidamente cualquier canal de televisión
- Funciones de control de cambiador de discos compactos
  - \*Disponibles cuando haya conectado un cambiador de discos compactos
- Operación muy fácil y funcional
- Panel frontal provisto de tomas de entrada para una videograbadora estéreo
- Televisor con recepción en diversidad de 4 canales incorporado

# 5. REMOTE CONTROL



Remote control unit

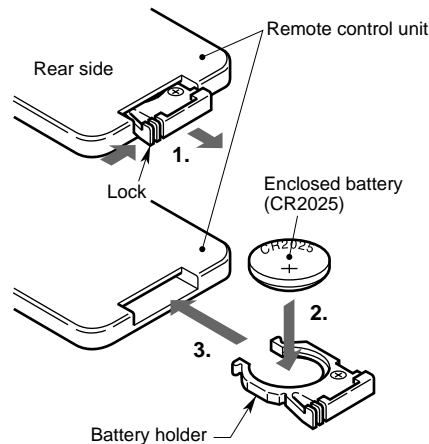


## Inserting the Battery

1. Turn the remote control unit upside down, push the lock in the direction of the arrow, and pull out the battery holder.
2. Insert the enclosed battery (CR2025) with the "+" side facing up.
3. Push the battery holder back in securely until a click is heard.

### Notes:

- Using batteries improperly can cause them to explode. Take note of the following points:
- When replacing the battery, be sure to set the new battery with the "+" side facing up.
  - Do not short-circuit, disassemble or heat batteries.
  - Do not dispose of batteries into fire or flames.
  - Dispose of spent batteries properly.



- \* Lea este Manual de instrucciones y de instalación antes de pasar a la conexión de cables y a la instalación.
- \* Después de haber leído este manual, guárdelo a mano (p. ej., en la guantera). Cuando venda su automóvil, deje en él el manual de instrucciones a fin de que pueda utilizarlo el nuevo usuario.
- \* Lea el contenido de la tarjeta de garantía adjunta, y guárdela con este manual.
- \* En la sección "Operaciones en el modo de cambiador de discos compactos" se indica el procedimiento de operación de un cambiador de discos compactos conectado al TVX5653 mediante el cable C-BUS. (Si usted adquiere solamente el cambiador de discos compactos, sólo se suministrará con su guía del usuario. La guía de operación del cambiador de discos compactos se incluye en esta guía del usuario.)

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# 1. PRECAUTIONS

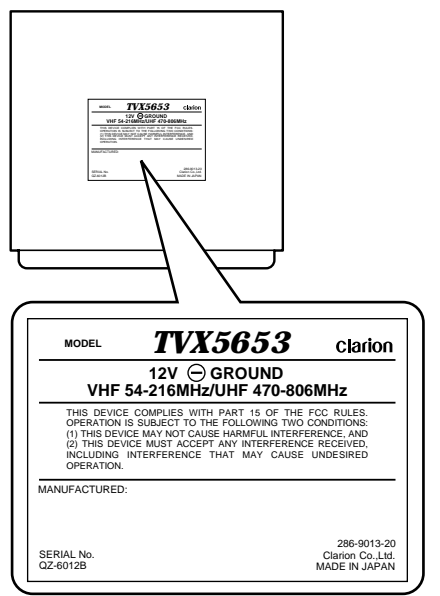
## WARNING

For your safety, the driver should not watch the TV or operate the controls while driving. Please note that watching and operating the TV while driving are prohibited by law in some countries. Also, while driving, keep the volume to a level at which external sounds can be heard.

1. This set is exclusively for use in motor vehicles with a 12V power supply, negative ground.
2. Do not operate the set in ways other than those described in this owner's guide. In addition, the LCD panel's opening/ closing mechanism is delicate, so do not operate or use it with excessive force.
3. This unit uses a precision mechanism. Even in the event that trouble arises, never open the case, disassemble the unit, or lubricate the rotating parts.
4. TV broadcast reception  
When receiving the TV broadcasts, the strength of the signals changes since the car is moving, so in some cases it may not be possible to receive clear pictures.
  - TV signals are strongly linear, so reception is affected by buildings, mountains and other obstacles.
  - Such external factors such as electric train lines, a high voltage lines, and signal devices may disturb the picture or cause noise.

\* If the reception is poor, switch to a station with good reception.

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 consult the dealer or an experienced radio/TV technician for help.



**INFORMATION FOR USERS:**  
CHANGES OR MODIFICATIONS TO THIS PRODUCT NOT APPROVED BY THE MANUFACTURER WILL VOID THE WARRANTY AND WILL VIOLATE FCC APPROVAL.

Be sure to spread and read the next page.  
Veuillez déployer et vous référer à la page suivante.  
Cerciórese de desplegar y de leer la página siguiente.

## Functions of Remote Control Unit Buttons

Button \ Mode	TV	CD changer
<b>9</b> FUNC POWER	TV operation/CD changer control switching. Hold down (for about 1 second) to turn the power ON or OFF.	
<b>10</b> CHANNEL TRACK ( <</> )	Manual tuning UP/DOWN. Hold down (for about half a second) to tune in the stations automatically.	Track UP/DOWN. Hold down (for about 1 second) for Fast-forward/fast-backward.
<b>11</b> ▶/	Hold down (for about 2 seconds) to adjust the picture quality.	Play/pause
<b>12</b> PRESET DIRECT (1 to 6)	Preset channel tuning. Hold down (for about 2 seconds) for manual memory.	Switching of disc inside magazine.
<b>13</b> CH	Received channel display ON/OFF.	_____
<b>14</b> PS AS	Preset scan. Hold down (for about 2 seconds) for auto store.	_____
<b>15</b> BAND MAG	Receiving band selection and switching to VTR mode.	Magazine switching. Hold down (for about 2 seconds) to lock/release magazine.

\* Some of the corresponding buttons on the main unit and remote control unit have different functions.

## 6. CAUTION ON HANDLING

For a longer service life, be sure to read the following cautions.

- Be sure to store the LCD panel inside the source unit when parking the car outdoors for long periods of time.

The LCD panel will operate properly in a temperature range of 0 to 60°C.

- Don't allow any liquids on the set from drinks, umbrellas etc. Doing so may damage the internal circuitry.
- Do not disassemble or modify the set in any way. Doing so may result in damage.
- Do not draw the LCD panel out and use it as a tray. Also, subjecting the LCD panel to shocks may result in breakage, deformation or other damage.
- Do not let cigarettes burn the display. Doing so may damage or deform the cabinet.
- If a problem should occur, have the set inspected at your store of purchase.
- Do not insert objects or poke in the space between the LCD panel and the source unit when the panel is tilted.
- Do not place anything on the display when the LCD panel is tilted.
- In extremely cold weather, the movement of the picture may be slow and the screen may be dark, but this is not a malfunction. The set will work normally once the temperature increases.

- Small black and shiny dots inside the LCD panel are normal for LCD products.
- The LCD panel may stop temporarily when it is opened or closed when the engine is stopped or when it is cold. This is not a malfunction. If this happens, repeat the operation.
- The remote controller may not work if the remote control sensor is exposed to direct sunlight.
- Do not hold on the screen when adjusting the angle of the LCD panel. Doing so may damage it.
- Do not leave droplets of water on the LCD panel since they can cause discoloration and stains. In addition, entry of moisture inside the unit can cause malfunctioning. Any drops of water on the panel should be removed immediately using absorbent cotton or a soft cloth.
- Do not insert objects into the video input jack.
- The fluorescent light used behind the screen eventually wears out. It should be replaced if the picture becomes extremely dark or flickers.

### ***Cleaning***

---

#### ***• Cleaning the cabinet***

Use a soft, dry cloth and gently wipe off the dirt.

For tough dirt, apply some neutral detergent diluted in water to a soft cloth, wipe off the dirt gently, then wipe again with a dry cloth.

Do not use benzene, thinner, car cleaner, etc., as these substances may damage the cabinet or cause the paint to peel. Also, leaving rubber of plastic products in contact with the cabinet for long periods of time may cause stains.

#### ***• Cleaning the LCD panel***

The LCD panel tends to collect dust, so wipe it off occasionally with a soft cloth.

The surface is easily scratched, so do not rub it with hard objects.

### ***Concerning the wide screen***

---

- A wide-screen TV comes with a function for selecting various screen modes. If you select a screen mode that differs from the picture ratio of the TV program or other software media, you will not be able to view the original pictures as was originally intended. Bear this point in mind when selecting the screen mode.

# 7. OPERATION

## Basic Operations

**Note:** Be sure to read this chapter referring to the front diagrams of chapter "3. CONTROL" on page 5 (spread).

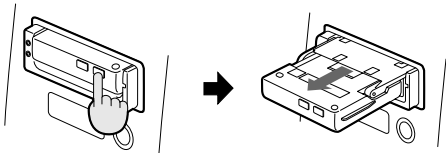
### ⚠ CAUTION

To prevent the battery from running down, operate the unit while the engine is running whenever possible.

When listening to the sound of TV programs while driving, use a volume setting at which you will still be able to hear sounds outside the vehicle.

### Sliding out the LCD panel

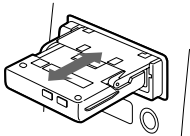
- 1) Start the engine running (set the key to ACC or ON).
- 2) When the OPEN button **1** is pressed, the LCD panel slides out.



\* The LCD panel will be retracted if the OPEN button **1** is pressed while the LCD panel is extended. The LCD panel will be automatically retracted if about ten seconds are allowed to elapse with the panel extended and no operation initiated.

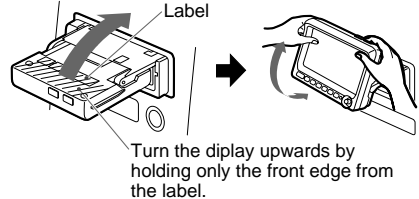
#### Notes:

- Unless the LCD panel is fully extended, its angle cannot be adjusted. Attempting to turn the panel before it is fully extended will cause malfunctioning.
- If the LCD panel stops when it is partially extended, press the OPEN button **1** to retract it, and then press the OPEN button **1** again so that it is fully extended.



### Adjusting the LCD panel angle

- 1) Turn the LCD panel upwards and set it at an easy viewing angle.



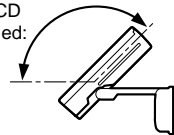
### ⚠ CAUTION

When adjusting the angle, take care not to catch your fingers between the LCD panel and main unit or instrument panel. Do not take hold of the area behind the label and operate the unit.

#### Notes:

- Do not forcibly turn the LCD panel.
- The LCD panel can be turned upwards to a maximum angle of 130 degrees (although this may vary depending on the vehicle model).

Angle to which LCD panel can be turned: 130 degrees



### Car stereo adjustments

- 1) Set the car stereo's radio frequency to the modulator frequency.
  - \* The factory set for the modulator frequency is 88.3 MHz. (Refer to the section on selecting the FM modulator frequency on page 15, 16.)
- 2) Use the car stereo's volume and tone controls to adjust the volume and tone to the desired levels.

#### Note:

- Adjust also the BASS (bass)/TREB (treble) and BAL (left/right balance)/FAD (front/back balance) controls to the optimum positions.

## Selecting the screen size

Four screen display modes are supported: normal, wide, full wide and cinema.

### Note:

- The screen mode cannot be selected while the vehicle is in motion.

### Note:

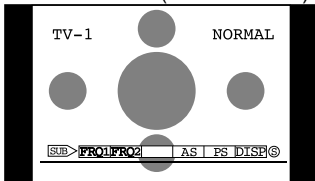
- When the wide mode or full wide mode is used to display a normal 4:3 picture which is not a wide picture so that it fills the whole wide TV screen, parts of the picture around the edges will be off the screen or the picture will be distorted on the screen. To view original pictures so as to respect the intentions of the producer, use the normal mode.

Press the WIDE button **[11]** to select the screen display mode. Each time this button **[11]** is pressed, the display mode is changed in the sequence shown below.

### For normal 4:3 picture reception

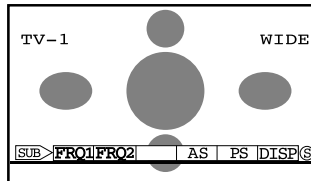
Depending on which mode is set, the shape of the picture will be distorted on the screen.

#### Normal mode (normal screen)



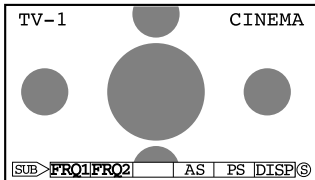
Black bands appear to the left and right of the screen.

#### Wide mode



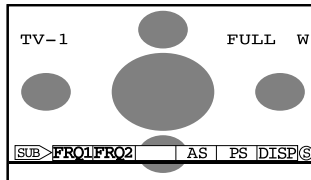
The picture at the left and right of the screen is stretched in the sideways direction.

#### Cinema mode



The picture at the top and bottom of the screen is off the screen.

#### Full wide mode

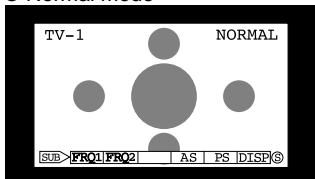


The whole picture is stretched in the sideways direction.

### For wide (16:9) picture reception

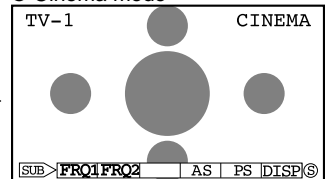
Use the cinema mode.

#### Normal mode

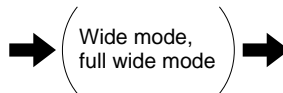


Black bands appear all around the screen.

#### Cinema mode



The picture is shown expanded so that it fills the whole screen.





### Turning off the power

With the LCD panel extended, press the TV/CD button [2] for about 1 second.

The picture seen during TV program reception or the screen which appears during CD play is cleared, and the power is turned off.

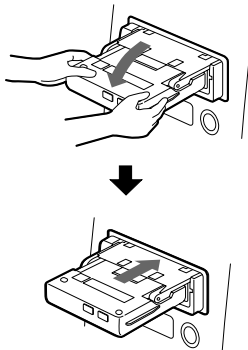
#### Notes:

- Always remember to retract the LCD panel back into the main unit if you do not intend to operate the unit for a prolonged period of time or when you are leaving the vehicle.
- When the LCD panel is turned until it locks into its horizontal position, it will be retracted automatically.

### Retracting the LCD panel

When the LCD panel is turned until it locks at its horizontal position, the power is automatically turned off, and the panel is retracted.

\* The LCD is retracted automatically by returning it to its horizontal position also when the ignition switch is at OFF.



#### Note:

- Forcibly pushing the screen back into the main unit without first locking it at its horizontal position will cause malfunctioning.

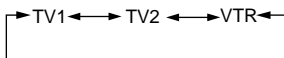
# TV Mode Operations

## ⚠ WARNING

For your safety, the driver should not watch the TV or operate the controls while driving. Please note that watching and operating the TV while driving is prohibited by law in some countries. Also, while driving, keep the volume to a level at which external sounds can be heard.

### Watching TV

- 1) Press the TV/CD button [2] to select the TV mode.
- 2) Press the joystick [13] up (▲) or down (▼) to select TV1 or TV2. Each time the joystick [13] is pressed up (▲) or down (▼), the setting is switched in the sequence shown below.



- 3) Press the joystick [13] to the left (◀) or right (▶) to select the channel.

### Seek tuning

Keep pressing the joystick [13] to the left (◀) or right (▶) for about half a second.

The seek tuning mode is selected when you keep pressing the joystick. Tuning will stop automatically at a channel where a broadcast is received.

\* When seek tuning has stopped before or after a broadcast channel, press the channel button again.

### Manual tuning

Press the joystick [13] to the left (◀) or right (▶) to select the channel.

The channel number appears at the top left of the screen.

\* Each time the joystick [13] is pressed, the channel number is incremented or decremented by 1.

\* The channel number remains on the screen for about 5 seconds.

\* To ensure that the channel number is displayed all the time, refer to the section on permanently displaying the channel (page 15), and perform the necessary settings.

### Preset memory function

The number of preset channels which can be stored in the memory is:

- 6 stations for TV1 } Total of 12 stations
- 6 stations for TV2 }

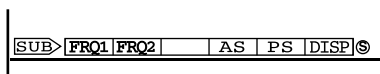
Any station can be stored in any preset channel.

### Auto store function

The channels received automatically are automatically stored in the preset channels.

The setting procedure for the preset channels is the same for TV1 and TV2.

- 1) Press the SHIFT button [3] to display the menu screen.



\* The menu screen remains displayed for about 5 seconds.

\* Perform the next operation while the menu screen is displayed.

- 2) When the AS (auto store) button [6] is pressed, the broadcast stations are automatically stored in the memory starting with the one following the station now received.

### Notes:

- The memory contents are returned to the default settings when the battery is replaced or the power supply is otherwise suspended.
- The signal conditions are sometimes such that a channel without a station is stored in the memory.
- Some stations may not be stored if their signals are too weak in the reception area.
- When a station could not be stored or a channel without a station has been stored in the memory, refer to the section on the manual memory function which follows, and perform the settings again.

## TV Mode Operations

### Manual memory function

- 1) Press the joystick [13] up (▲) or down (▼) to select TV1 or TV2.
- 2) Press the joystick [13] to the left (◀) or right (▶) to select the channel to be preset.
- 3) Hold down for about 2 seconds the preset channel button (4 to 9) in which the station is to be stored. The new channel now being received is stored in the memory.

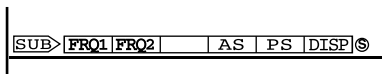
\* Upon completion of the memory operation, the channel display at the top left of the screen turns red.

#### Note:

- The memory contents are returned to the default settings when the battery is replaced or the power supply is otherwise suspended.

### Preset scanning

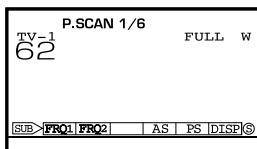
- 1) Press the SHIFT button [3] to display the menu screen.



\* The menu screen remains displayed for about 5 seconds.

\* Perform the next operation while the menu screen is displayed.

- 2) Press the PS (preset scan) button [5].  
The stations stored in the preset channels are received in sequence at intervals of about 5 seconds per station.



- 3) To release the preset scanning, display the menu screen, and press the PS button [5].

### Preset selection

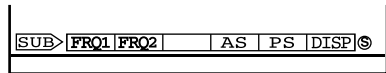
- 1) Press the joystick [13] up (▲) or down (▼) to select TV1 or TV2.
- 2) Press one of the preset channel buttons (4 to 9).  
The station in the channel which is stored in the memory is now tuned in.

### Checking out the channels

- 1) Press the CH (channel) button [10].  
The channel currently being received will be displayed for about 5 seconds, together with the number of the preset button and the screen display mode.

### Permanently displaying the channel

- 1) Press the SHIFT button [3] to display the menu screen.



\* The menu screen remains displayed for about 5 seconds.

\* Perform the next operation while the menu screen is displayed.

- 2) Press the DISP (display) button [4].  
The current channel is now permanently displayed on the screen.

\* The menu screen's "DISP" indicator will change to red.

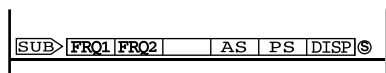
#### Note:

- When the "channel non-permanent display mode" has been set, the reception channel is displayed for about 5 seconds when the TV band is changed and when tuning.
- 3) To clear the channel display, first display the menu screen again, and then press the DISP (display) button [4].  
\* The menu screen's "DISP" indicator will change to white.

### Selecting the FM modulator frequency

- The FM modulator frequency can be set only in the TV mode.
- The factory setting is 88.3 MHz.

- 1) Press the TV/CD button [2] to select the TV mode.
- 2) Press the SHIFT button [3] to display the menu screen.



\* The menu screen remains displayed for about 5 seconds.

\* Perform the next operation while the menu screen is displayed.

## TV Mode Operations

- 3) Press either the FM modulator frequency 1 button [9] or the FM modulator frequency 2 button [8].

\* The FM modulator frequency is set as follows:

- FM modulator (FRQ1): 88.3 MHz
- FM modulator (FRQ2): 88.7 MHz

### Adjusting the brightness and tone of color

- 1) Hold down the center of the joystick [13] for about 2 seconds.

The screen adjustment mode now appears.

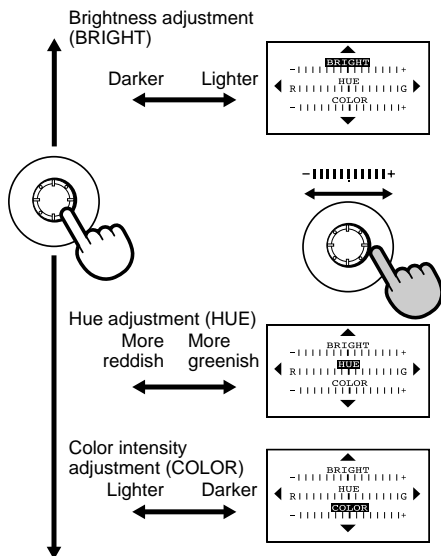
\* Start the adjustments while the adjustment displays are on the screen. These displays will be automatically cleared after about 5 seconds.

- 2) Press the joystick [13] up (▲) or down (▼) to select what is to be adjusted, and then press it to the left (◀) or right (▶) to make the adjustment.

\* The pointer which indicates the adjustment position moves one scale increment when initially pushed once. It then moves one scale increment when it is pushed 5 times.

#### Note:

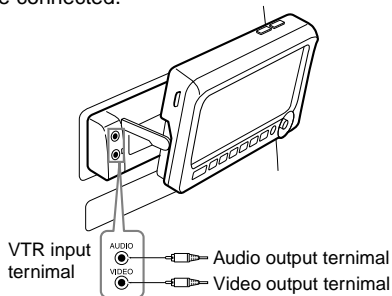
- There is no hue adjustment for the PAL TV system.



### How to connect the unit with a VTR

#### Notes:

- Before proceeding with the connections, make absolutely sure that the power of the unit and VTR (or video camera) has been turned off.
- Before proceeding with the connections, refer to the Instruction Manual of the unit which is to be connected.



#### Note:

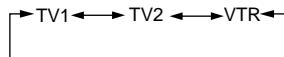
- You will need an AV connecting cord (CCA-357-500) purchased separately to convert the RCA pin cord into a stereo mini jack in order to connect an integrated camera/VTR unit to the unit.

### Watching a video tape

Refer to the Instruction Manual of the unit concerned for details on operating the video unit connected.

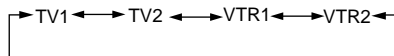
- 1) Press the TV/CD button [2] to select the TV mode.
- 2) Press the joystick [13] up (▲) or down (▼) to select VTR.

Each time the joystick [13] is pressed up (▲) or down (▼), the setting is switched in the sequence shown below.



#### Note:

- When a VTR has been connected to the system expansion terminals on the unit's rear panel, the setting is switched in the sequence shown below.



# CD Chager Mode Operations

A CD changer purchased separately can be connected to the unit.

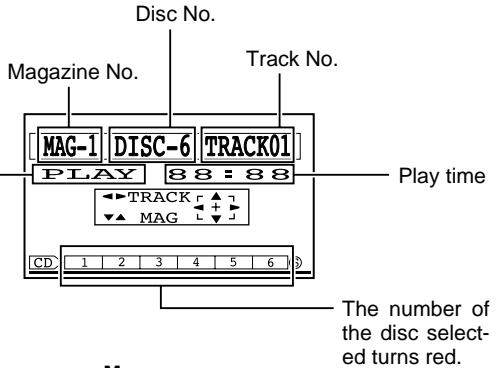
When a CD changer (CDC635/CDC1235) with multiple magazines is connected, two or more magazines can be controlled.

**Note:**

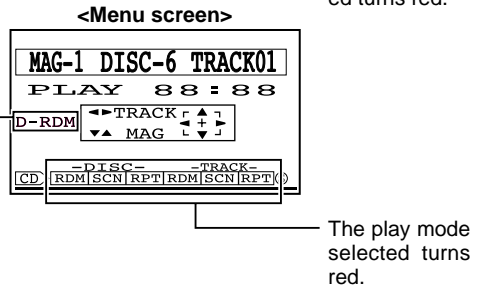
- A CD changer connected to the unit cannot be operated from the car stereo.

## Screen displayed during CD play

PLAY	: Playing
PAUSE	: Pause
TRACK UP	]: Tuning
TRACK DN	
TRACK FF	: Fast-forward
TRACK FB	: Fast-backward
MAG UP	: Switching magazine
MAG LOCK	: Magazine locked
EJECT	: With CDs
	: Ejecting magazine
CHECK	: Checking when magazine is installed
NO-DISC	: When no discs are in the magazine
HI-TEMP	]: Error display (see page 20)
ERROR	



D-RDM	: When disc random play is performed
D-SCN	: When disc scan play is performed
D-RPT	: When disc repeat play is performed
T-RDM	: When track random play is performed
T-SCN	: When track scan play is performed
T-RPT	: When track repeat play is performed



**Note:**

- If the CD changer has multiple magazines, those magazines which do not contain any CDs are not displayed.

## Listening to a CD

- 1) Press the TV/CD button [2] to select the CD changer mode.
- 2) Press the joystick [13] up (▲) or down (▼) to select the magazine containing the disc to be heard.  
Disc play now commences.

### Note:

- A magazine which does not contain any CDs is not selected.
- 3) Press the joystick [13] to the left (◀) or right (▶) to select the disc to be heard.  
Play of the selected disc now commences.

### Note:

- This operation is performed when a CD changer (CDC635/CDC1235) with multiple magazines has been connected.
- 4) Press the joystick [13] to the left (◀) or right (▶) to select the track.  
When right (▶) is pressed, the next track is selected.  
When left (◀) is pressed, the start of the track now selected is located. If it is pressed again, the previous track is selected.

## Fast-forward and fast-backward

Keep pressing the joystick [13] to the left (◀) or right (▶) for about one second during disc play. When right (▶) is pressed, fast-forward is performed at 3 times the normal play speed; conversely, when left (◀) is pressed, fast-backward is performed at 3 times the normal play speed. When the the joystick [13] is kept pressed to the left (◀) or right (▶) for about 5 seconds, fast-forward or fast-backward proceeds at 15 times the normal play speed.

## Pausing playback

- 1) Press the center of the joystick [13]. The disc play pauses.
- 2) When the center of the joystick [13] is pressed again, the pause is released.

## Random/Scan/Repeat play

- 1) Press the SHIFT button [3] to display the menu screen.



- \* The menu screen remains displayed for about 5 seconds.
- \* Perform the next operation while the menu screen is displayed.

### Note:

- The remote control cannot be used for operation.
- 2) Select the play mode using one of the direct buttons ([4] to [9]).  
The selected play mode indicator changes to red.

Button	Play mode	Operation
[1]	Disc random play	All the tracks on all the discs are played in random order.
[2]	Disc scan play	The first 10 seconds of the first track on each disc are played in turn.
[3]	Disc repeat play	The disc now playing is played repeatedly.
[4]	Random play	The tracks on the disc now playing are played in random order.
[5]	Scan play	The first 10 seconds of all the tracks on each disc are played in turn.
[6]	Repeat play	The track now playing is played repeatedly.

## Magazine lock

### Note:

- This function is operated when a CD changer (CDC635/CDC1235) with multiple magazines has been connected.
- 1) Keep pressing the joystick [13] up (▲) or down (▼) for about 2 seconds.  
The key mark (🔒) now appears on the left of the magazine number, and only the CDs in the selected magazine are played.
  - 2) To release the magazine lock, keep pressing the joystick [13] up (▲) or down (▼) again for about 2 seconds. This will release the lock.

# 8. TROUBLESHOOTING

- If you think that something has gone wrong with your unit, check out the following points before requesting servicing.

Symptom	Cause	Measure
No power.	The LCD panel is still in the horizontal position.	The power comes on when the LCD panel is turned upwards from its horizontal position. Check this out again.
No picture.	The parking brake is not engaged.	Check that the parking brake is fully engaged.
	Vehicle is moving.	No pictures appear on the screen while the vehicle is moving. Park the vehicle and then watch. (Engage the parking brake.)
	The function has not been set to the TV mode.	To watch the TV, use the function button to check whether the TV screen has been selected.
Fuzzy picture.	Poor reception conditions.	You may be situated in a valley, next to a high building or near something else which is blocking the signals. Check again in a location where the reception is better.
Dark picture.	The brightness has not been adjusted properly.	Check whether the brightness has been adjusted properly.
	Adverse operating conditions.	The temperature in the vehicle may be below freezing point or over 60 degrees Celsius. Check once it has risen or dropped to normal temperature (around 25 degrees Celsius).
	The vehicle's lights are on.	At night, the screen is darkened to prevent glare. (When the vehicle's lights are turned on even during the day, the screen will become dark.)
Colors are too light or hue is not adjusted properly.	Color adjustments are inadequate.	Check whether the hue and color intensity have been adjusted properly.
Double or triple images appear.	Poor signal reception.	The effects of signals reflected off mountains or buildings may be to blame. Check once the location or direction has been changed.
Picture appears with spots or striped patterns.	Interference with signal reception.	The effects of vehicles, trains, high-tension cables or neon signs (all sources of interference) may be to blame. Check once the location has been changed.
No sound.	The volume has not been adjusted properly.	The volume level may be at the lowest position. Check again.
LCD is now automatically retracted even when it is set horizontally.	Foreign matter in the panel housing.	The LCD panel will not be retracted properly if there is foreign matter inside the area where it is housed. Remove the foreign matter.

# 9. ERROR DISPLAYS

- If an error occurs, the type of error is displayed.  
Take the measures described below to eliminate the problem.

Error display	Name of error	Description
ERROR 1	Memory error	This error occurs if the disc loading data, etc., is lost due to wear of the CD auto changer's battery. (Remove all the discs from the magazine, insert the empty magazine and press the eject key to return to the first disc.)
ERROR 2	Mechanical error	This error occurs if there is a problem with the mechanism and the eject or disc selection operation is not completed in the specified amount of time. (Consult the nearest Clarion service shop or customer clinic.)
ERROR 3	Functional error	This error occurs if the pickup cannot focus after several tries due to scratches on the disc, signal interference, etc. (Replace the disc.)
ERROR 6	Disc error	This error occurs when the disc is loaded upside-down. (Reload the disc properly.)
TEMP ERROR	Temperature error	This error occurs when the CD mechanism's temperature sensor detects that the temperature is too high. (When the temperature returns to normal, playback starts.)



# 10. SPECIFICATIONS

## LCD Monitor

Screen size: 5.8-inch(127.2mm Width X 71.88mm Height)  
Display method: Transmission type TN liquid crystal display  
Drive method: TFT(thin-film transistor) active matrix driving  
Pixels: 280800 (1200 X 234)

## TV Tuner

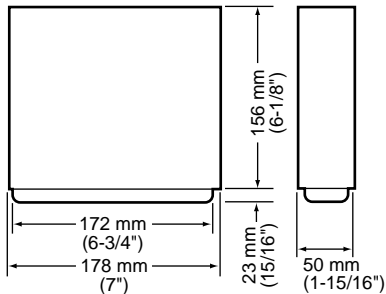
Tuning system: PLL synthesizer system  
Reception channels:  
VHF: 2 to 13 ch (54 to 216 MHz)  
UHF: 14 to 69 ch (470 to 806 MHz)  
Intermediate frequency:  
45.75 MHz for video  
41.25 MHz for audio  
Antenna input: 75  $\Omega$  unbalanced

## Input/Output

Video input:  
1.0  $\pm$  0.2 Vp-p (input impedance 75  $\Omega$ )  
VTR video input: 3.5 $\phi$ mini-jack  
Audio input:  
130  $\pm$  60 mVrms (input impedance 45 k $\Omega$  or greater)  
VTR audio input: 3.5 $\phi$ mini-jack  
Video output:1.0 V  $\pm$  0.2 Vp-p(output impedance 75  $\Omega$ )

## General

Power source voltage:DC13.2 V (10.8 to 15.6 V)  
Ground: Negative  
Current consumption: Less than 2.0 A  
Weight: 1.5 kg  
Dimensions: 178 mm Width X 50 mm Height X 156 mm Depth (7" Width X 1-15/16" Height X 6-1/8" Depth)



### Note:

- Specifications and design are subject to change without notice for further improvement.



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