

## DVD Changer Operations

This function allows you to control a connected DVD changer in the same way as described in DVD player Operation.

For details on operations other than those described below, see DVD player Operation. For details on DVD changer precautions, refer to the supplied owner's manual.

### Selecting a disc

#### When the panel is closed :

Each of the [DIRECT] button corresponds to a disc loaded into the DVD changer.

Press the [DIRECT] button (1 to 6) and select the desired disc.

#### When the panel is open :

Press the [LIST] button, otherwise press the [DISC SEL] button on the remote control unit.

Touch the [DIRECT] key (1 to 6) in the display or press the numeric button for the disc number (1 to 6) on the remote control unit to select the desired disc.

### Switching to a next disc. (Disc Up function)

The disc up function plays from the first track (track No.1) of the next disc.

Press the [BAND] button.

Each time you press the [BAND] button, the disc changes to the next disc.

### Disc Repeat playback

This operation plays back all tracks on the disc repeatedly.

#### There are 3 ways available :

- Press the [KEY PAD] button and touch the [D.RPT] key.
- Touch the screen and touch the [SUB MODE] key. Touch the [DISC REPEAT] key then touch the [RTN] key.
- Press the [RPT] button on the remote control unit 1 second or longer.

\* To cancel the disc repeat play, touch the [D.RPT]/[DISC REPEAT] key or press the [RPT] button on the remote control unit.

## TV Operations

### TV functions

When an optional TV tuner is connected through the CeNET cable, this unit controls all TV tuner functions. To watch TV requires a TV tuner.

#### **⚠ 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.**

### Watching TV

#### Notes:

- For your safety, the VRX935VD has a safety function which turns off the picture when the car is moving, so only the audio can be heard. The picture can only be watched when the car is stopped and the parking break is applied.

1. Press the [FUNC] button and select the TV mode.
2. Press the [BAND] button to select the desired TV band (TV1 or TV2). Each time the button is pressed, the input selection toggles between TV1 and TV2.
3. Press the [▶▶] or [◀◀] button to tune in the desired TV station.

\* When the panel is open, the same operation is also available by using the [◀◀] and [▶▶] button in the panel.

### Watching a video

The TV tuner has a VTR input terminal to which 1 external device can be connected. Connect a 12V video cassette player (VCP) or video cassette recorder (VCR) to the TV tuner input terminal.

1. Touch the screen or press the [LIST] button, the MENU screen appears.
2. Touch the [EXTRA SELECT] key in the MENU screen to select the [VTR] key.
3. To return to the TV broadcast, touch the screen again and touch the [EXTRA SELECT] key in the MENU screen to select the [TELEVISION] key.

## TV Operations

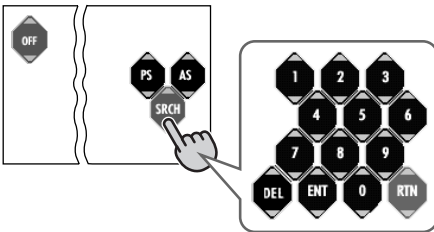
### Seek tuning

1. Press the [BAND] button and select the desired TV band (TV1 or TV2).
  - \* If "MANU" is lit in the display, press and hold the [BAND] button for 1 second or longer. "MANU" in the display goes off and seek tuning is now available.
2. Press the [▶▶] or [◀◀] button to automatically seek a station. Press the [▶▶] button to automatically tune up the frequency band to the next available TV station; press the [◀◀] button to automatically tune down.
  - \* When the panel is open, the same operation is also available by using the [◀◀] or [▶▶] button in the panel.

### Selecting stations with the KEY PAD

\* This function displays the KEY PAD on the screen enabling you to tune in through auto store, preset scan or by entering a frequency.

Press the [KEY PAD] button to display the KEY PAD.



#### ● Tuning in by selecting a frequency

1. Touch the [SRCH] key to switch the KEY PAD.
2. Touch the [0]–[9] key corresponding with the frequency you desired. When you touch the wrong number ([0]–[9] key), you can cancel that to touch the [DEL] key.
3. Touch the [ENT] key. The radio station you required would be tuned.

#### ● To use auto store,

touch the [AS] key for about 2 seconds.

#### ● To perform a preset scan,

touch the [PS] key.

#### ● To cancel the KEY PAD display,

press the [KEY PAD] button or touch the [OFF] key.

### Manual tuning

There are 2 ways available: Quick tuning and step tuning. When you are in the step tuning mode, the frequency changes one step at a time. In quick tuning mode, you can quickly tune the desired frequency.

1. Press the [BAND] button and select the desired band. (TV1 or TV2)
  - \* If "MANU" is not lit in the display, press and hold the [BAND] button for 1 second or longer. "MANU" appears in the display and manual tuning is now available.
2. Tune into a station.

#### ● Quick tuning:

Press and hold the [▶▶] or [◀◀] button for 1 second or longer to tune in a station.

#### ● Step tuning:

Press the [▶▶] or [◀◀] button to manually tune in a station.

#### Note:

- Manual tuning is cancelled if you do not operate the unit for 7 seconds longer. (\*Only when connecting the TTX7503Z or TTX7504Z with this unit)

### Recalling a preset station

A total of 12 TV stations can be stored (6-TV1 and 6-TV2). This allows you to select your favorite TV stations and store them in memory for later recall.

There are 2 ways available to recall the preset station.

#### ● Using the [DIRECT] button.

1. Press the [BAND] button and select the desired TV band. (TV1 or TV2)
2. To recall a stored TV station, press the desired [DIRECT] button to select that station.
  - \* Press and hold one of the [DIRECT] buttons for 2 seconds or longer to store the current station into the preset memory.

#### ● Using the [DIRECT] key.

1. Press the [LIST] button or touch the screen when the STANDARD screen is displayed, then touch the [P.CH SELECT] key.
2. Touch the corresponding [DIRECT] key to recall the stored station.
  - \* You can select the desired band to touch the [BAND] key.
3. Touch the [RTN] key or press the [LIST] button to return to the previous mode.

### Manual memory

1. Select the desired station with seek tuning, manual tuning or preset tuning.
2. Press and hold one of the **[DIRECT]** buttons for 2 seconds or longer to store the current station to that preset memory.

### Auto store

Auto store selects 6 TV stations automatically and stores each one into a preset memory.

If there are not 6 stations with good reception, stations previously stored in memory remain and only the strong stations are stored into memory.

1. Press the **[BAND]** button and select the desired TV band. (TV1 or TV2)
2. Touch the screen or press the **[LIST]** button, the MENU screen appears.
3. Touch the **[SUB MODE]** key in the MENU screen, the **[AUTO STORE]** key appears in the display.

Touch and hold the **[AUTO STORE]** key for 2 seconds or longer. The stations with good reception are stored automatically to the preset channels.

### Preset scan

Preset scan allows the user to view each preset position before it automatically advances to the next preset. This function is useful for searching for desired TV station in memory.

1. Touch the screen or press the **[LIST]** button, the MENU screen appears.
2. Touch the **[SUB MODE]** key in the MENU screen, the **[PRESET SCAN]** key appears in the display.

Touch the **[PRESET SCAN]** key to start preset scan. The unit starts scanning each station for 7 seconds sequentially.

3. When the desired channel is received, touch the **[PRESET SCAN]** key again.

### Setting the TV diver

\* This function is enabled only when the panel is open.

\* Normally use the TV diver with the "ON" position.

You can change the reception setting for the TV antenna connected to the TV tuner.

1. Press the **[ADJ]** button to switch to the ADJUST MODE menu.

2. Touch the **[TV]** key to select "TV DIVER".  
Touch the **[TV DIVER]** key to display **[ON]/[OFF]** key.
3. Touch the **[ON]** key or **[OFF]** key to set the selected reception setting.
  - **ON:**  
Sets reception emphasizing the visual.
  - **OFF:**  
Sets the diver setting to OFF.
4. Press the **[ADJ]** button or touch the **[RTN]** key to return to the previous mode.

## Sirius operation

### What is Sirius Satellite Radio?



Sirius is radio the way it was meant to be: Up to 100 new channels of digital quality programming delivered to listeners coast to coast via satellite. That means 50 channels of completely commercial-free music. Plus up to 50 more channels of news, sports, and entertainment from names like CNBC, Discovery, SCI-FI Channel, A&E, House of Blues, E!, NPR, Speedvision and ESPN.

Sirius is live, dynamic entertainment, completely focused on listeners. Every minute of every day of every week will be different. All 50 commercial-free music channels are created in-house and hosted by DJs who know and love the music. Do you like Reggae? How about Classic Rock or New Rock? Sirius has an array of choices spanning a vast range of musical tastes including the hits of the 50's, 60's, 70's, & 80's as well as Jazz, Country, Blues, Pop, Rap, R&B, Bluegrass, Alternative, Classical, Heavy Metal, Dance and many others...

From its state-of-the-art, digital broadcasting facility in Rockefeller Center, New York City, Sirius will deliver the broadest, deepest mix of radio entertainment from coast to coast.

Sirius will bring you music and entertainment programming that is simply not available on traditional radio in any market across the country. It's radio like you've never heard before.

So Get Sirius and Listen Up! For more information, visit [siriusradio.com](http://siriusradio.com).

### Selecting Sirius Radio modes

Press the [FUNC] button to select the Sirius mode.

The Sirius indication lights entering the mode that was engaged when the unit was turned off last time.

### Selecting a band

Press the [BAND] button to select a band.

Each press of the button changes the display as shown below.

SR1 → SR2 → SR3 → SR1 ...

#### ● Information displayed during reception

The following information is displayed when Sirius Radio cannot be received normally.

- **UPDATING** : when the receiver is turned on the first time or after a reset
- **ACQUIRING** : when a channel is being tuned in (no signal is yet received)
- **INVALID CH** : a channel without a broadcast has been selected
- **NO SIGN-UP** : a channel not covered by your contract

### Switching displayed channel labels

#### ● Panel closed

1. Press the [DISP] button to show the sub display.
2. Hold down the [DISP] button for 1 second to sequence the displayed channel labels as shown below.

CH.NAME → TITLE → ARTIST → CATEGORY → RADIO TEXT → CH. NAME...

#### ● Panel open

1. Press the [DISP] button to display TITLE INDEX. CH.NAME, TITLE, ARTIST and CATEGORY appear.
2. Touch the key whose label you wish to display ([CH.NAME], [TITLE], [ARTIST] or [CATEGORY]).
3. Press the [DISP] button to return to the previous mode.

## Displaying radio text

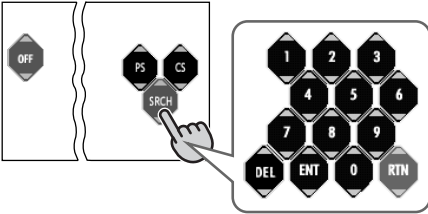
\* Radio text is only displayed for stations that transmit such information.

Touch the screen in the STANDARD screen to display radio text.

## Selecting stations with the KEY PAD

\* This function displays the KEY PAD on the screen enabling you to tune in through auto store, preset scan or by entering a frequency.

Press the [KEY PAD] button to display the KEY PAD.



### ● Selecting channels

1. Touch the [SRCH] key to switch the KEY PAD.
2. Touch the [0]–[9] key corresponding with the frequency you desired. When you touch the wrong number ([0]–[9] key), you can cancel that to touch the [DEL] key.
3. Touch the [ENT] key. The radio channel you required would be tuned.

### ● To perform a preset scan,

touch the [PS] key.

### ● To perform a category scan,

touch the [CS] key.

### ● To cancel the KEY PAD display,

press the [KEY PAD] button, or touch the [OFF] key.

## Channel selection

Channels are selected with the following buttons.

- The [◀] or [▶] button
- A [DIRECT] button

\* For details, see the following operation descriptions.

### Notes:

\* The audio output is muted and other button operations are not accepted during channel selection.

## Tuning mode (T-MODE)

There are two channel selection modes: seek mode and manual mode.

### ● Seek tuning

Only channels that can be received are selected while channels without broadcasts and channels not covered by the contract are automatically skipped.

1. Press the [◀] or [▶] button.  
The receiver seeks the next available channel below or above the current channel.
2. Press and hold the [◀] or [▶] button.  
The receiver moves to seek channels below or above the current channel. If the channel found when either button is released is available, that channel is received. Otherwise, seeking continues until an available channel is found.

### ● Manual tuning

Any channel including channels without broadcasts and channels not covered by the contract can be selected during manual tuning.

1. Press and hold the [BAND] button for 1 second or longer.  
\* This changes the seek mode to manual mode and the "MANU" indicator on the display lights. When this operation is performed in manual mode, the seek mode is engaged and the "MANU" indicator on the display goes off.

### Notes:

- The receiver automatically reverts to the seek mode when the [◀] or [▶] button is not used for 7 seconds in the manual mode.
2. Press the [◀] or [▶] button. The receiver moves to channels above or below the current channel one by one.
  3. Press and hold the [◀] or [▶] for 1 second or longer.  
The receiver moves to seek channels below or above the current channel and the channel found when either button is released is received.

## Recalling a preset station

A total of 18 SIRIUS stations can be stored (6-SR1, 6-SR2 and 6-SR3). This allows you to select your favorite SIRIUS stations and store them in memory for later recall.

### ● Using the [DIRECT] key

1. Press the [LIST] button.
2. Press the [BAND] button or touch the [BAND] key to select the desired band.

## Sirius operation

3. Touch the [DIRECT] key (1 to 6) to select the desired preset station.
4. Touch the [RTN] key to return to the previous mode.

### ● Using the [DIRECT] button

1. Press the [BAND] button and select the desired SIRIUS band (SR1, SR2 or SR3).
2. To recall a stored SIRIUS station, press the desired [DIRECT] button to select that station.
  - \* Press and hold one of the [DIRECT] buttons for 2 seconds or longer to store the current station into preset memory.

## Manual memory

1. Select the desired station with seek tuning, manual tuning or preset tuning.
2. Press and hold one of [DIRECT] buttons for 2 seconds or longer to store the current station into preset memory.

### Notes:

- When the name of a channel stored in memory is changed by a broadcasting station, the display may show a channel name that differs from the stored name.
- A channel stored in memory may be discontinued at the option of the broadcasting station.

## Category selection function

SIRIUS Radio allows you to select broadcast channel category (contents).

## Receiving stations selected by category

1. Touch the screen in the STANDARD screen.
2. Touch the [CAT SELECT].

### ● Selecting from preset categories

- 2-1. Touch the [PRESET] key and select a category by touching a [DIRECT] key (1 to 6) storing the desired category.

### ● Selecting by displaying all categories

- 2-1. Touch the [ITEM SELECT] key to display a category.
- 2-2. Touch the [↓] or [↑] on the screen to select the desired category on the screen.
- 2-3. Select by touching a [DIRECT] key (1 to 6).
3. Press the [◀] or [▶] button to tune in a station. This starts seek tuning and broadcast channels that meet the specified category are selected.

### Notes:

- When the category selection mode is entered, the category of the last received channel is displayed first.
- The category selection mode is canceled when no channel with the selected category can be found.
- Press the [◀] or [▶] button within 7 seconds after a channel has been set to continue seeking channels up or down. The category selection mode is canceled and normal reception is resumed if no operation is performed for 7 seconds.

## Presetting a category

A category can be preset by registering specific categories in [DIRECT] keys 1 to 6. Then the desired category can be recalled by pressing the corresponding [DIRECT] keys.

1. Touch the screen in the STANDARD screen.
2. Touch [CAT SELECT] to open the ITEM SELECT screen.
3. Touch the [ITEM SELECT] key to display a category.
4. Touch the [↓] or [↑] on the screen to select the desired category on the screen.
5. Touch the category you wish to store in memory.
6. Touch the [PRESET] key to open the preset screen.
7. Touch and hold down for 2 seconds or longer the Preset No. key you wish to store in memory.

### Notes:

- When the name of a channel stored in memory is changed by a broadcasting station, the display may show a channel name that differs from the stored name.
- A channel stored in memory may be discontinued at the option of the broadcasting station.

## Scan function

There are two scan modes: a category scan mode and a preset scan mode.

During scanning channels are displayed in abbreviated form and the display mode cannot be switched.

### ● Category scanning

In a category scan, broadcast channels in the same category as the current channel are selected about every 10 seconds.

1. Touch the screen in the STANDARD screen.
2. Touch **[SUB MODE]** to open the SUB MODE screen.
3. Touch the **[CATEGORY SCAN]** key.

#### Note:

- Category scanning is not available when no category is defined for the current channel.

### ● Preset scan

A preset scan scans the channels (up to 18 channels) stored in the preset memory about every 10 seconds.

1. Touch the screen in the STANDARD screen.
2. Touch **[SUB MODE]** to open the SUB MODE screen.
3. Touch the **[PRESET SCAN]** key.

## Other Functions

### Always turning on the button illumination on the operation panel

#### Note:

- The following operation is enabled when the panel is open.
- Doing this operation turns on and off the illumination only for the buttons of VoL **[+]** and **[-]**, **[DISP]**, and **[OPEN]**.

The button illumination on the operation panel when the display is turned upward, can be switched between "ON" and "OFF".

The factory default setting is ON.

● "OFF": Button illumination on the operation panel turns on for 5 seconds;

● "ON": Button illumination is always on when the power is turned on;

1. When the panel is open, press the **[ADJ]** button to show the ADJUST MODE menu.
2. Touch the **[↓]** key to select "UPPER ILLUMI".
3. Touch the **[UPPER ILLUMI]** key to select "ON" or "OFF".
4. Touch the **[ON]** or **[OFF]** key for setting.
5. Press the **[ADJ]** button or touch the **[RTN]** key to return to the previous mode.

\* To set "ON" again, switch "OFF" to "ON" manually.

### Entering titles

Titles up to 10 characters long can be stored in memory and displayed for Radio stations, TV stations and CD changer. The numbers of titles that can be entered for each mode are as follows.

Mode	Number of titles
TUNER mode	30 titles
TV mode	15 titles

CD changer mode	Number of titles
CDC655z connected	60 titles
CDC655Tz connected	100 titles
CDC1255z connected	50 titles
DCZ625 connected	100 titles

\* You cannot enter titles with the unit in Seek, Preset Scan, Auto store (TUNER or TV) mode. Cancel each of those operations before entering titles.

1. Press the **[FUNC]** button to select the mode you want to enter a title (TUNER, CD changer or TV).
2. Select and play a CD in the CD changer or tune in to a Radio station or a TV station for which you want to enter the title.
3. Touch the screen or press the **[LIST]** button, the MENU screen appears.

## Other Functions

4. Touch the [TITLE INPUT] key in the MENU screen.  
The title input mode display appears.
5. Touch the characters, symbols, etc. shown in the display to input titles.
  - “←→” : Centering
  - “BS” : Backspace
  - “□” : Space
  - “MEMO” : Memory
  - “▼(▲)” : Scroll

### NOTE:

- Up to 10 characters can be input.
  - To switch the character types, touch the scroll key (▼) at the lower left of the display.
6. Repeat the step 4 to enter the complete title.
  7. Touch the [MEMO] key for 2 seconds or longer to store the title into memory and cancel title input mode.

### Title list play

You can display a list of titles, then select the disc or broadcast station to listen to from that list.

- \* You can not display a title list with the unit in Seek, Preset Scan, Auto store (Tuner or TV) mode. Cancel those operation modes before to display a title list.
1. With the unit in radio, CD/MD changer or TV mode, touch the [P. CH SELECT], [DISC SELECT] key. A title list is displayed. The following functions can be carried out in a title list display.
    - **TUNER:** A title of a station stored in the presets 1 to 6 or frequency is displayed;
    - **CD/MD changer:** DISC titles for discs 1 to 6 are displayed (By changing over a display page in case of 12-CD changer, disc 7 to 12 can be displayed). When there is not any disc in a changer, "NO DISC" is displayed.
    - **TV/SIRIUS:** A title of a channel stored in the presets 1 to 6 or a channel number is displayed.
  2. Touch the [DIRECT] key (1 to 6) to select one of the items 1 to 6 and reproduce the selected broadcast station or disc.
    - \* In case of 12-CD changer, touch the [DISC SELECT] key to change over to a list display of discs 7 to 12.
  3. Touch the [RTN] key again to return to the previous mode.

### Setting the auto dimmer

The brightness of the color LCD display is adjusted automatically in proportion to the surrounding light. The auto dimmer function can switch between ON and OFF.

**ON** : Auto dimmer function is set.

**OFF** : Auto dimmer function is cancelled.

\* The factory default setting is "ON".

1. Press the [ADJ] button to display the ADJUST MODE menu.
2. Touch the [AUTO DIMMER] key to select "ON" or "OFF".
3. Touch the "ON" or "OFF" key for setting.
4. Press the [ADJ] button or touch the [RTN] key to return to the previous mode.

### Adjusting the dimmer level

You can adjust the reduced illumination level of the dimmer. When driving at night with the inside of the car, the auto dimmer function can reduce the display illumination linked "to the illumination power supply of the car" in this unit in order to prevent glare from the display.

\* This function is enabled only when the auto dimmer function is set up to "OFF".

#### ● The factory default:

When the car light is off: Brightest setting

When the car light is on: Medium brightness

1. When the panel is open, press the [ADJ] button to display the ADJUST MODE menu.
2. Touch the [DIMMER LEVEL] key to adjust the dimmer level.
3. Touch the [+ ] or [- ] key to adjust.
4. Press the [ADJ] button again or touch the [RTN] key two times.  
The unit returns to the previous mode.

### Setting the button illumination

\* The factory default setting is "GREEN" (green).

1. When the panel is open, press the [ADJ] button to select the ADJUST MODE menu.
2. Touch the [ ] key to select "KEY ILLUMI".
3. Touch the [KEY ILLUMI] key to select "RED" (red) or "GREEN" (green).
4. Touch the [RED] or [GREEN] key to select a desired mode and set it.
5. Press the [ADJ] button again or touch the [RTN] key. The unit returns to the previous mode.

### Setting the beep

- \* The sound heard when you make operations is called “beep”. The unit can be set up so that it does not produce this beep sound.
- \* The factory default is “BEEP ON”.
  1. When the panel is open, press the [ADJ] button to select the ADJUST MODE menu.
  2. Touch the [↓] key to select “BEEP”.  
Touch the [BEEP] key to select “ON” and “OFF”.
  3. Touch the [ON] or [OFF] key to select a desired mode and set it.
  4. Press the [ADJ] button again or touch the [RTN] key. The unit returns to the previous mode.

3. Touch the [VISUAL AUX SENS] key to select “HIGH”(HIGH) or “MID”(mid) or “LOW”(low).
4. Touch the “HIGH” or “MID” or “LOW” key to select desired mode and set it.
5. Press the [ADJ] button or touch the [RTN] key to return to the previous mode.

### Triggered audio mute for cellular telephones

This unit requires special wiring to mute the audio signal automatically when a cellular telephone rings in the car.

- \* This function is not compatible with all cellular telephones. Contact your local authorized Clarion dealer for information on proper installation and compatibility.

### Setting the motion and sprite pattern speed

- \* The factory default setting is “HIGH” (high).
  1. When the panel is open, press the [ADJ] button to select the ADJUST MODE menu.
  2. Touch the [MOTION SENS] key to select “HIGH” (high) or “MID” (mid) or “LOW” (low).
  3. Touch the “HIGH” (high) or “MID” (mid) or “LOW” (low) key to select a desired mode and set it.
  4. Press the [ADJ] button again or touch the [RTN] key. The unit returns to the previous mode.

### Clock Adjustment

1. When the panel is open, press the [ADJ] button to select the ADJUST MODE menu.
2. Touch the [↓] key to select “CLOCK”.  
Touch the [CLOCK] key to adjust the time.
3. Touch the [▲],[▼],[a.m] or [p.m] key to adjust the time.  
\* The time is displayed in 12-hour format.
4. Press the [ADJ] button again or touch the [RTN] key two times. The unit returns to the previous mode.

### Setting the visual input sound level

You can adjust an input sound level of visual1/2.

- \* The factory default setting is “HIGH”(high).
  1. Press the [ADJ] button to display the ADJUST MODE menu.
  2. Touch the [↓] key to select “VISUAL AUX SENS”.

## 5.1 ch Surround Decoder Operations

### 5.1 ch Surround Decoder control function

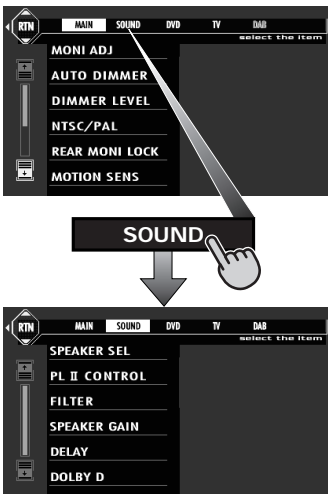
This function is available when a 5.1 ch Surround Decoder (DVH920) is connected.

When the 5.1 ch Surround Decoder (DVH920, sold separately) is CeNET connected, the 5.1 ch Surround Decoder Control unit (DVC920, sold separately) cannot be used.

This section describes operation procedures only. For other details, refer to the owner's manual supplied with the 5.1 ch Surround Decoder.

\* For details on functions of each mode, refer to the owner's manual supplied with the DVH920.

1. Press the **[ADJ]** button to show the ADJUST MODE menu.
2. Touch the **[SOUND]** key.



3. Touch the required keys to make the desired setting.

#### ● SPEAKER SEL (speaker sel)

This function determines center speaker, surround speaker and sub woofer connection.

- 3-1. Touch the **[SPEAKER SEL]** key to show the submenu.
- 3-2. Touch the **[CENTER SP]**, **[SURROUND SP]** or **[SUB WOOFER]** key and the "ON" or "OFF" key to turn speakers on or off depending on what speakers are connected.
  - The default value is "ON".
  - The phase of the "SUB WOOFER" is reversed in the ON- setting. The default value is "ON+".

#### ● PL II CONTROL

\* This function is available only when the MUSIC MODE is selected for Dolby PL II. For setup details, see "Selecting the Dolby PL II (Dolby Pro Logic II) type."

- 3-1. Touch the **[PL II CONTROL]** key to show the submenu.
- 3-2. Touch the **[PANORAMA]**, **[DIMENSION]** or **[CENTER WIDTH]** key to select respective item.

##### [PANORAMA]:

Touch the **[ON]** or **[OFF]** key. "OFF" is the default value.

##### [DIMENSION]:

Touch the **[▲]** or **[▼]** key to make adjustments between 0 and 6. The default value is "3".

##### [CENTER WIDTH]:

Touch the **[▲]** or **[▼]** key to make adjustments between 0 and 7. The default value is "3".

#### ● FILTER

This function is used to select filter frequencies that suit the speakers that are used.

\* This function is not available for speakers whose SPEAKER SEL setting is set to OFF.

- 3-1. Touch the **[FILTER]** key to show the submenu.
- 3-2. Touch the **[FRONT HPF]**, **[CENTER HPF]**, **[SURROUND HPF]** or **[SUB WOOFER LPF]** key to set respective item.
- 3-3. Touch **[▲]** or **[▼]** key to make settings.

##### [FRONT HPF]:

This function can be set to the following four settings: 50 Hz, 80 Hz, 120 Hz or THROUGH. "THROUGH" is the default value.

##### [CENTER HPF]:

This function can be set to the following three settings: 50 Hz, 80 Hz and 120 Hz. "120 Hz" is the default value.

##### [SURROUND HPF]:

This function can be set to the following four settings: 50 Hz, 80 Hz, 120 Hz or THROUGH. "THROUGH" is the default value.

##### [SUB WOOFER LPF]:

This function can be set to the following three settings: 50 Hz, 80 Hz and 120 Hz. "120 Hz" is the default value.

## 5.1 ch Surround Decoder Operations

### ● SPEAKER GAIN

This function sets speaker output level.

\* This function is not available for speakers whose **SPEAKER SEL** setting is set to OFF.

- 3-1. Touch the **[SPEAKER GAIN]** key to show the submenu.
- 3-2. Touch the **[FRONT L]**, **[CENTER]**, **[FRONT R]**, **[SURROUND R]**, **[SURROUND L]** or **[SUB WOOFER]** key to set respective item.
- 3-3. Touch the **[▲]** or **[▼]** key to make adjustments in the range -10 dB to +10 dB in 1 dB step increments. The default value is **"0 dB"**.

### ● DELAY

This function adjusts the timing of the speakers so that they are synchronized with front speaker output.

\* This function is not available for speakers whose **"SPEAKER SEL"** setting is set to OFF.

- 3-1. Touch the **[DELAY]** key to show the submenu.
- 3-2. Touch the **[CENTER SP]** or **[SURROUND SP]** key to set respective item.
- 3-3. Touch the **[▲]** or **[▼]** key to adjust.
  - [CENTER SP]:**  
Adjustments are made in the range 0 ms to 5 ms. The default value is **"0 ms"**.
  - [SURROUND SP]:**  
Adjustments are made in the range 0 ms to 15 ms. The default value is **"0 ms"**.

### ● DOLBY D

This function sets the dynamic range compression.

\* This function is not available for speakers whose **"SPEAKER SEL"** setting is set to OFF.

- 3-1. Touch the **[DOLBY D]** key to show the submenu.
- 3-2. Touch the **[MAX]**, **[STD]** or **[MIN]** key to select respective item.
  - \*The default value is **[MAX]**.
4. When all settings are completed, press the **[ADJ]** button or touch the **[RTN]** key to return to the previous mode.

### Output adjustment of subwoofer volume, center volume and balance/fader

1. Press the **[A-M]** button and touch the **[DETAIL]** key.

2. To make an adjustment on :

#### ● Subwoofer volume adjustment

- 2-1. Touch the **[SUBWOOFER VOL]** key, then touch the **[▲]** or **[▼]** key to adjust to desirable level.
  - \* The factory default setting is **"0"**. (Setting range : -6 to 3)

#### ● Center volume adjustment

- 2-1. Touch the **[CENTER VOL]** key, then touch the **[▲]** or **[▼]** key to adjust to desirable level.
  - \* The factory default is **"0"**. (Setting range : -6 to 0)

#### ● Balance/Fader adjustment

- 2-1. Touch the **[BAL/FAD]** key.
  - Touch the **[▲]** or **[▼]** key to adjust the balance level.
    - [▲]** key : emphasized the sound from the front speakers.
    - [▼]** key : emphasized the sound from the rear speakers.
- 2-2. Touch the **[◀]** or **[▶]** key to adjust the fader level.
  - [◀]** key : emphasized the sound from the left speakers.
  - [▶]** key : emphasized the sound from the right speakers.
3. When the adjustment is complete, touch the **[RTN]** key or press the **[A-M]** button to return to the STANDARD screen.

## 5.1 ch Surround Decoder Operations

### DSF mode

#### DSF effect ON/OFF

\* The factory default setting is "OFF".

1. Press the [A-M] button.
2. Touch the [STATUS] key.
3. Touch the [DSF] key to select "on" and "off".
4. Each time the [ON/OFF] key is touched, the on and off statuses are switched alternately.
5. After the setting, press the [A-M] button again or touch the [RTN] key to return to the STANDARD screen.

#### Note:

- If the DSF effect is set to OFF, the adjustment made in "DSF" is not reflected in the music source.

#### Selecting the DSF type

1. Press the [A-M] button and touch the [DSF] key.
2. Touch the key for the desirable type to select it.
3. When the setting is finished, touch the [RTN] key or press the [A-M] button to return to the previous mode.

### P.EQ mode

#### P.EQ effect ON/OFF

\* The factory default setting is "OFF".

1. Press the [A-M] button.
2. Touch the [STATUS] key.
3. Touch the [P.EQ] key to select "on" and "off".
4. Each time the [ON/OFF] key is touched, the on and off statuses are switched alternately.
5. After the setting, press the [A-M] button again or touch the [RTN] key to return to the STANDARD screen.

#### Note:

- If the P.EQ effect is set to OFF, the adjustment made in "P.EQ" is not reflected in the music source.

#### Setting and storing P.EQ Properties

1. Press the [A-M] button to show the AUDIO MODE menu.
2. Touch the [P.EQ] key to show the P.EQ adjusting display.
3. Touch the key for the desirable type to select it.  
The P.EQ adjustment contents are as follows:

#### ● SIGNAL

\* The factory default setting is "P.NOISE".

This function selects [P. NOISE] or [MUSIC].

#### ● SPEAKER SELECT

\* The factory default setting is "FRONT".

This function selects [FRONT], [CENTER] or [SURROUND].

#### ● "BAND"

\* The factory default setting is "BAND1".

Select the channel to be compensated (BAND1, BAND2, BAND3).

#### ● "FREQUENCY"

\* The factory default setting is "1 kHz".

Select the center frequency that you want to compensate from the range of 20 Hz to 20 kHz. (1/3 octave step, 31 points)

#### ● "Q"

\* The factory default setting is "1".

Set the sharpness of the Q-curve to one of the parameters: 1, 3, 5, 7 and 20.

#### ● "GAIN"

\* The factory default setting is "0".

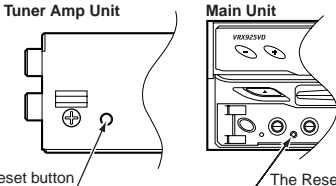
Adjust the gain (output level) in the range of -12 dB to +12 dB. (1 dB step, 25 points)

4. After making adjustments to a desired pattern by repeating the operations of item3, touch the [RNT] key or press the [A-M] button to return to the previous mode.

#### Selecting the Dolby PLII (Dolby Pro Logic II) type

1. Press the [A-M] button and touch the [Dolby PLII] key.
2. Touch the key for the desirable type to select it.
3. When the setting is finished, touch the [RTN] key or press the [A-M] button to return to the previous mode.  
\* The factory default is "off".

# 12. IN CASE OF DIFFICULTY

	Problem	Cause	Measure
GENERAL	Power does not turn on. (No sound is produced.)	Fuse is blown.	Replace with a fuse of the same amperage. If the fuse blows again, consult your store of purchase.
		Incorrect wiring.	Consult your store of purchase.
	Nothing happens when buttons are pressed.  Display is not accurate.	The microprocessor has malfunctioned due to noise, etc.	Turn off the power, then press the <b>[RELEASE]</b> lever and remove the DCP. Press the reset button both of tuner amp unit and main unit for about 2 seconds with a thin rod. Note: When the reset button is pressed, turn off the ACC power.   <p>The Reset button                      The Reset button</p>
The remote controller does not work.	Direct rays of the sun fall on the light-receptive part of the remote controller.	When direct rays of the sun fall on the light-receptive part of the remote controller, it may not work.	
	The batteries of the remote controller unit are dead or there is no battery in the remote controller unit.	Check the batteries of the remote controller unit.	
DVD Player	Disc cannot be loaded.	Another disc is already loaded.	Eject the disc before loading the new one.
		There is a foreign matter already in place.	Eject the foreign matter forcibly.
	Sound skips or is noisy.	Compact disc is dirty.	Clean the compact disc with a soft cloth.
		Compact disc is heavily scratched or warped.	Replace with a compact disc with no scratches.
	Sound is bad directly after power is turned on.	Water droplets may form on the internal lens when the car is parked in a humid place.	Let dry for about 1 hour with the power on.
Disc cannot play with the display "PARENTAL VIOLATION" shown.	The view is limited.	Release the view limitation or change the parental level. See the subsection "Setting up the parental level".	

	Problem	Cause	Measure
TV	The image is not displayed.	The parking brake is not pulled.	Check that the parking brake is applied.
	The display is dark.	The brightness control is too low.	Adjust the brightness properly.
		The operating condition is not good.	The temperature inside the vehicle may be 0°C or less. Set to an appropriate temperature (25°C or so) and check it again.
		The headlight of the vehicle is lit.	The display is made dark at night to prevent the glare (When the headlight of the vehicle is lit in the daytime, the display gets dark).
	The color of the display is light or a shade of color is not good.	The color is not adjusted adequately.	Check that COL and HUE are adjusted properly.
	When the VTR is connected, the image is disturbed.	Improper NTSC/PAL setting	Set the NTSC/PAL properly according to the VTR.
	When the TV tuner is connected, the image gets unclear.	Bad receiving condition	A radio wave may not reach sufficiently due to obstruction of mountains or buildings. Check it again at a place where a radio wave can be received properly.
	The TV tuner has a double or triple image.	Bad receiving condition	It may be under the influence of radio wave reflected by mountains or buildings. Check it again after changing place or direction.
The TV tuner has spots or stripes in the image.	Presence of jamming	It may be under the influence from automobiles, streetcar, power cable, neon sign, and so forth. Check it again after changing place.	
There are red, green, and blue points in the display.	_____	This is not a failure, but a phenomenon peculiar to a liquid crystal panel (The LCD panel is produced according to technology with very high precision. Note that, though there are effective pixels of 99.99% or more, pixel missing or normally lit pixels account for 0.01%).	

# 13. ERROR DISPLAYS

If an error occurs, one of the following displays is displayed.

Take the measures described below to eliminate the problem.

		Cause	Measure
DVD PLAYER	<b>ERROR 2</b>	A CD is caught inside the CD deck and is not ejected.	This is a failure of CD deck's mechanism and consult your store of purchase.
	<b>ERROR 3</b>	A CD cannot be played due to scratches, etc.	Replace with a non-scratched, non-warped-disc.
	<b>ERROR 6</b>	A CD is loaded upside-down inside the CD deck and does not play.	Eject the disc then reload it properly.
CD CHANGER	<b>ERROR 2</b>	A CD inside the CD changer is not loaded.	This is a failure of CD changer's mechanism and consult your store of purchase.
	<b>ERROR 3</b>	A CD inside the CD changer cannot be played due to scratches, etc.	Replace with a non-scratched, non-warped-disc.
	<b>ERROR 6</b>	A CD inside the CD changer cannot be played because it is loaded upside-down.	Eject the disc then reload it properly.
MD CHANGER	<b>ERROR H</b>	Displayed when the temperature in the MD changer is too high and playback has been stopped automatically.	Lower the surrounding temperature and wait for a while to cool off MD changer.
	<b>ERROR 2</b>	An MD inside the MD changer is not loaded.	This is a failure of MD changer's mechanism and consult your store of purchase.
	<b>ERROR 3</b>	An MD inside the MD changer cannot be played due to scratches, etc.	Replace with a non-scratched, non-warped-disc.
	<b>ERROR 6</b>	An MD inside the MD changer cannot be played because it is loaded upside-down.	Eject the disc then reload it properly.
		Displayed when a non-recorded MD is loaded in the MD changer.	Load a pre-recorded MD in the MD changer.

For the DVD changer, refer to the Owner's Manual provided with the DVD changer.

If an error display other than the ones described above appears, press the RESET button. If the problem persists, turn off the power and consult your store of purchase.

\* When the reset button is pressed, frequencies of TV/radio stations, titles, etc. stored in memory are cleared.

# 14. SPECIFICATIONS

## FM Tuner

Frequency Range: 87.9 MHz to 107.9 MHz  
 Usable Sensitivity: 9 dBf  
 50dB Quieting Sensitivity: 15 dBf  
 Alternate Channel Selectivity: 70 dB  
 Stereo Separation(1 kHz): 35 dB  
 Frequency Response(+/-3 dB): 30 Hz to 15 kHz

## AM Tuner

Frequency Range: 530 kHz to 1710 kHz  
 Usable Sensitivity: 25  $\mu$ V

## DVD player

System:  
 Digital Versatile Disc System with CDDA capable

Usable discs: DVD video disc, Compact disc

Frequency Response:  
 20Hz to 22 kHz (48 kHz) ( $\pm 1$  dB)  
 20Hz to 20 kHz (CD) ( $\pm 1$  dB)

Signal to Noise Ratio: 100 dB (1 kHz) IHF-A

Dynamic Range: 100 dB (1 kHz)

Distortion: 0.01%

## Audio Amplifier

Rated power output:  
 18 W  $\times$  4 (20 Hz to 20 kHz, 1%, 4  $\Omega$ )

Maximum power output:  
 212 W (53 W  $\times$  4)

Speaker impedance: 4  $\Omega$  (4 to 8  $\Omega$ )

## Input

Audio input:  
 130  $\pm$ 60mVrms (High)  
 600  $\pm$ 80mVrms (Mid)  
 840  $\pm$ 100mVrms (Low)  
 (input impedance 10k $\Omega$  or greater)

Video input:  
 1.0  $\pm$  0.2 Vp-p (input impedance 75  $\Omega$ )

## Video output

Video output:  
 1.0  $\pm$  0.2 Vp-p (output impedance 75  $\Omega$ )

## LCD Monitor

Screen Size: 7-inch wide type  
 6" Width (152 mm)  $\times$  3-5/16" Height (85 mm)

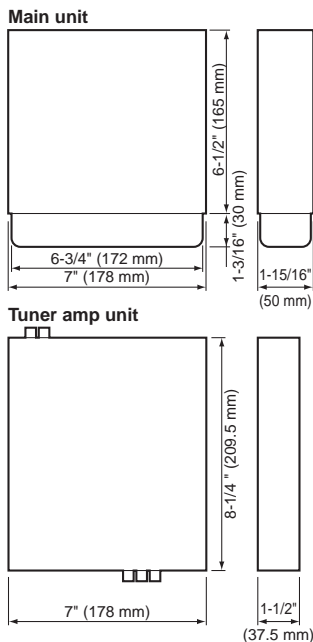
Display method:  
 Transmission type TN liquid crystal display

Drive method: TFT (thin-film transistor)  
 active matrix driving

Pixels: 336,960 (1440  $\times$  234)

## General

Power source voltage:  
 14.4 V DC (10.8 to 15.6 V allowable)  
 Ground: Negative  
 Current consumption: 4.0 A (1 W)  
 Auto Antenna Rated Current: 500 mA less  
 Dimensions of the Main Unit:  
 7" Width (178 mm)  $\times$  1-15/16" Height (50 mm)  $\times$  6-1/2" Depth (165 mm)  
 Dimensions of the Tuner Amp Unit:  
 7" Width (178 mm)  $\times$  1-1/2" Height (37.5 mm)  $\times$  8-1/4" Depth (209.5 mm)  
 Weight of the Main Unit: 2.3 kg  
 Weight of the Tuner Amp Unit: 1.1kg  
 Dimensions of the Remote Control Unit:  
 2-1/8" Width (54 mm)  $\times$  1-1/8" Height (28.8 mm)  $\times$  6-1/8" Depth (155 mm)  
 Weight of the Remote Control Unit:  
 100g (including battery)



## Notes:

- Specifications comply with JEITA Standards.
- Specifications and design are subject to change without notice for further improvement.