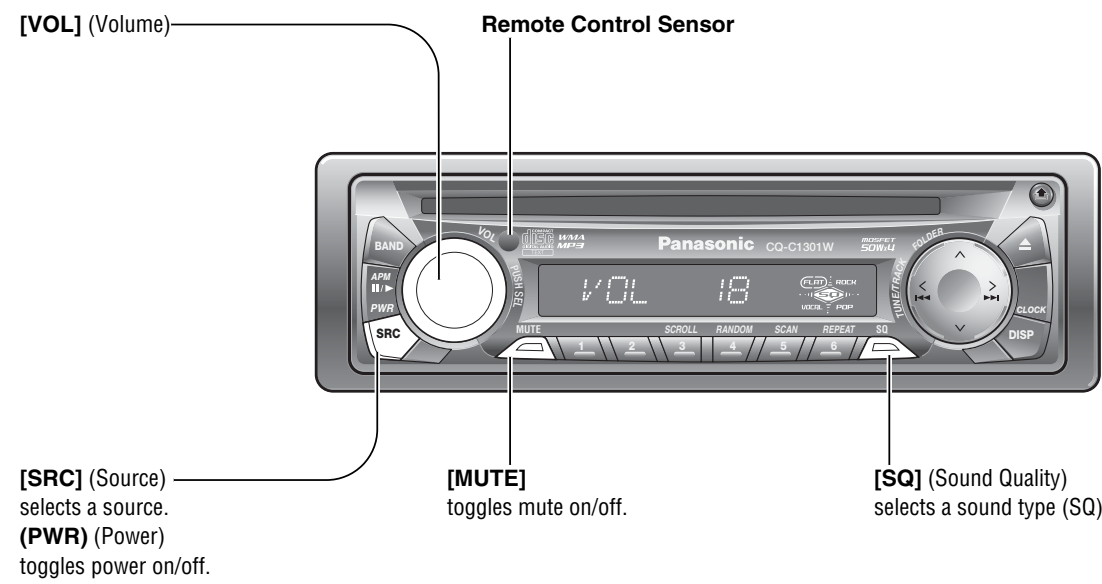






# Main Unit



- Power On/Off**  
Set your car's ignition switch to the ACC or ON position.  
**Power on:** Press [SRC] (PWR).  
**Power off:** Hold down [SRC] (PWR) for more than 1 second.
- Source Selection**  
Press [SRC] to change the source.  
Radio ↔ Disc Player
- Volume Adjustment**  
(Setting Range: 0 to 40, Default: 18)  
Turn [VOL].
- Mute**  
**ON:** Press [MUTE]. ([MUTE] lights.)  
**OFF:** Press [MUTE] again.
- SQ (Sound Quality)**  
SQ is a function that can call up various sound types at the touch of button in accordance with your listening music type.  
Press [SQ] to select the sound type as follows:  
  - (FLAT) flat frequency response: does not emphasize any part. (Default)
  - (ROCK) speedy and heavy sound: exaggerates bass and treble.
  - (POP) wide-ranged and deep sound: slightly emphasizes bass and treble.
  - (VOCAL) clear sound: emphasizes middle tone and slightly emphasizes treble.**Note:** Settings of SQ, bass and treble are influenced one another. If such an influence causes distortion to the audio signal, readjust bass/treble or volume.

# Remote Control Unit

**Note:** This instruction manual explains operations for use with the buttons on the main unit. (Different operations excluded)

- [0] to [9] selects a preset station (1 to 6), presets the current station (Hold it down for more than 2 seconds), inputs the number in direct selection.
- [#] (NUMBER) executes the direct selection.
- [RANDOM] [SCAN] [REPEAT] toggles on/off each play mode.
- [<] [D] down/up the frequency (Hold it down for more than 0.5 seconds and release it for seek tuning).
- [V] [A] skip to the previous/next folder in player mode.
- [←] [→] skip to the previous/next track/file in player mode. Hold it down for fast reverse/fast forward.
- [BAND] selects a band in the tuner source, toggles pause/play in player source, executes the APM in tuner source (Hold it down for more than 2 seconds).
- [SRC] (SOURCE) selects a source. (POWER) toggles power on/off.
- [MENU] (SEL: Select) selects the items in the audio menu.
- [VOL] (Volume) adjusts the volume, and selects the value in the audio menu, etc.
- [MUTE] toggles mute on/off.
- [DISP] (Display) switches the information on display, and exits the audio menu.

- Direct Access**  
A track (CD mode) and file/folder (MP3/WMA mode) can be directly selected.  
**Example:** Track number 5  
  - Press [#] (NUMBER).
  - Press [5].
  - Press [BAND] (SET).**Notes:**
  - To suspend direct selection, press [DISP].
  - For folder selection, enter a number after pressing [#] (NUMBER) twice.
  - If there is no playable file in the selected folder, the first file or folder on the disc is selected.
- Battery Replacement**
  - Remove the battery holder with the remote control unit placed on a flat surface.
    - Stick your thumbnail into the groove, and push the holder in the direction of the arrow at the same time.
    - Pull it out in the direction of the arrow using a tough pointed object.
  - Put a battery in the case with (+) side facing up.
  - Put the case back.**Warning**
  - Keep batteries away from children to avoid the risk of accidents. If an infant ingests a battery, please seek immediate medical attention.
- Functions Only on Main Unit**  
The following functions are not available on remote control unit.
  - Demonstration
  - SQ selection
  - Scroll
  - Disc eject

# Radio (FM/AM)

- [BAND] selects a band in the radio source. (APM) (Auto Preset Memory) executes APM in the radio source. (Hold it down for more than 2 seconds.)
- [DISP] (Display) switches the information on the display.
- [SRC] (Source) selects a source.
- [1] to [6] selects a preset station in the radio source, and presets the current station. (Hold it down for more than 2 seconds.)
- [TUNE <] [TUNE >] Down/up the frequency. (Hold it down for more than 0.5 seconds and release it for seek tuning.)

- Operation Flow**
  - Press [SRC] to select the radio source.
  - Press [BAND] to select a band.
  - Select a station.
- Frequency adjustment**  
[TUNE<]: Lower  
[TUNE>]: Higher  
**Note:** Hold down either of them for more than 0.5 seconds and release it for seek tuning.
- Preset station selection**  
Press the corresponding preset button from [1] to [6] to tune in a preset station.

# Disc Player

- Disc slot** takes a disc in with the printed side facing up.  
**Note:**
  - The power will be turned on automatically when a disc is loaded.
  - A disc which has both CD-DA data and MP3/WMA data on it may not be reproduced normally.
- [←] [→] skip to the previous/next track/file in the player mode.  
Hold down either of them for fast reverse/fast forward.
- [EJECT] (Eject) ejects the disc.
- [DISP] (Display) switches the information on the display.
- [SRC] (Source) selects a source.
- [V] [A] skip to the previous/next folder in MP3/WMA mode.
- [RANDOM]/[SCAN]/[REPEAT] toggles on/off each play mode.
- [SCROLL] scrolls the information on display.

- Caution**
  - Do not insert a disc when the **DISC** indicator lights.
  - Refer to the section of "Notes on Discs" and "Notes on MP3/WMA".
  - This unit does not support 8 cm discs.
  - If you insert an 8 cm disc and cannot eject it, turn ACC of your car off once and turn it on again, then press [EJECT] (Eject).
  - Do not insert foreign objects into the disc slot.

- Operation Flow**
  - Press [SRC] to select the Disc Player source.
  - Select a desired portion.
- Track/file selection**  
Press [←] / [→].  
**Note:** To perform fast forward/reverse, hold down either of them.  
**Disc Player (CD-DA disc):** Previous/next track  
**Disc Player (MP3/WMA disc):** Previous/next file
- Folder selection (MP3/WMA)**  
Press [V] / [A].
- Pause**  
Press [BAND] (II / ►).  
Press again to cancel.

- Radio Source Display**  
lights while receiving an FM stereo signal  
Band Frequency Preset Number  
FM 1 88.90 4  
[DISP] (Display) switches the information on the display.
- Display change**  
Press [DISP] to change the display.  
Radio mode display (Default) FM 1 88.90 4  
Clock display FM 1 12:35 4

- Manual station preset**
  - Tune into a station.
  - Hold down one of the preset buttons from [1] to [6] for more than 2 seconds.
- Auto Preset Memory (APM)**  
With this operation, stations with good receiving conditions can be automatically stored in the preset memory.  
  - Select a band.
  - Hold down [BAND] (APM) for more than 2 seconds.
- Station Preset**  
Up to 6 stations can be preset in AM, FM1, FM2, and FM3 respectively. Preset stations can be simply called up by pressing [1] to [6].  
**Note:** New stations overwrite existing saved stations.

- Player Source Display**  
CD-DA mode display  
Track number Play time  
02 1:23  
MP3/WMA mode display  
lights when folder random/repeat/scan is on.  
Folder number File number  
002-001  
Play Mode indicators
- Display change**  
Press [DISP] to change.  
Disc Player (CD-DA disc) Disc Player (MP3/WMA disc):  
Normal Normal  
02 1:23 002-001  
THE BEST Disc title Play time  
LOVE ME Track title  
CJ 8:30 Clock  
MP3 8:30 Clock  
TAG ON Hold down [3] for more than 2 seconds.  
album title and song title /artist name are displayed.  
TAG OFF (Default) folder name/file name are displayed.
- Player Source Display**  
Random play  
All the available tracks/files are played in a random sequence.  
Press [4] (RANDOM).  
Press again to cancel.
- Folder random play (MP3/WMA)**  
All the available files in current folder are played in a random sequence.  
Hold down [4] (RANDOM) for more than 2 seconds.  
Hold down again to cancel.
- Repeat play**  
The current track/file is repeated.  
Press [6] (REPEAT).  
Press again to cancel.

- Folder repeat play (MP3/WMA)**  
The current folder is repeated.  
Hold down [6] (REPEAT) for more than 2 seconds.  
Hold down again to cancel.
- Scan play**  
The first 10 seconds of each track/file is played in sequence.  
Press [5] (SCAN).  
Press again to cancel.
- Folder scan play (MP3/WMA)**  
From the next folder, the first 10 seconds of the first file in each folder is played in sequence.  
Hold down [5] (SCAN) for more than 2 seconds.  
Hold down again to cancel.

# Audio Settings



- [VOL] (Volume) selects a value in the audio menu. (PUSH SEL) (Push to Select) selects items in the audio menu.
- [DISP] (Display) exits from the audio menu.
- Audio Menu**
  - Press [VOL] (PUSH SEL) to display the audio menu display.  
**Note:** If no operation takes place for more than 7 seconds in the audio menu (2 seconds in Main volume adjustment), the display returns to the regular mode.
  - Press [VOL] (PUSH SEL) to select a mode to be adjusted.
  - Turn [VOL] clockwise or counterclockwise to adjust.
- Volume**  
(Setting Range: 0 to 40, Default: 18)  
①: Up  
②: Down
- Bass**  
(Setting Range: -12 dB to +12 dB by 2 dB, Default: 0 dB)  
①: Increased  
②: Decreased
- Treble**  
(Setting Range: -12 dB to +12 dB by 2 dB, Default: 0 dB)  
①: Increased  
②: Decreased
- Balance**  
(Setting Range: 15 levels each, Default CNT (center))  
①: Right enhanced  
②: Left enhanced
- Fader**  
(Setting Range: 15 levels each, Default CNT (center))  
①: Front enhanced  
②: Rear enhanced
- Note:** If the fader is set to front, the pre-amp. output (rear) is decreased.

# Troubleshooting

- If You Suspect Something Wrong**  
Check and take steps as described below. If the described suggestions do not solve the problem, it is recommended to take the unit to your nearest authorized Panasonic Servicenter. The product should be serviced only by qualified personnel. Please refer the checking and the repair to professionals. Panasonic shall not be liable for any accidents arising out of neglect of checking the unit or your own repair after your checking.
- Warning**
  - Do not use the unit in an irregular condition, for example, without sound, or with smoke or a foul smell, which can cause ignition or electric shock. Immediately stop using the unit and consult your dealer.
  - Never try to repair the unit by yourself because it is dangerous to do so.

Trouble	Check point	Trouble	Check point
<b>Common</b>		<b>Radio</b>	
<b>No power</b>	<ul style="list-style-type: none"> <li>Start the engine. (Or turn the ignition switch to the ACC position.)</li> <li>Verify the wiring. (battery lead, power lead, ground lead, etc.)</li> <li>Fuse blown (Contact the nearest Panasonic Service Center.)</li> <li>Ask a professional for fuse replacement.</li> <li>Be sure to use the same rated fuse.</li> </ul>	<b>Frequent noise</b>	<ul style="list-style-type: none"> <li>Tune in to another station of high-intensity waves.</li> <li>Make sure that the antenna mounted point is grounded properly.</li> </ul>
<b>No sound</b>	<ul style="list-style-type: none"> <li>Disable the mute function.</li> <li>Verify the wiring.</li> <li>Wait until the dew disappears before turning on the unit.</li> </ul>	<b>Preset data deleted</b>	<ul style="list-style-type: none"> <li>The preset memory is cleared to return to the original factory setting when the power connector or battery is disconnected.</li> </ul>
<b>No sound from left, right, front, or rear speaker</b>	<ul style="list-style-type: none"> <li>Make sure that grounding is established properly.</li> <li>Adjust the balance and fader.</li> <li>Verify the wiring.</li> </ul>	<b>Error Display Messages</b>	
<b>Left and right sounds are reversed</b>	<ul style="list-style-type: none"> <li>Connect the speaker lead correctly.</li> </ul>	-E1-	(The disc is ejected automatically.) The disc is dirty, or is upside down. Check the disc.
<b>Disc Player</b>		-E2-	(The disc is ejected automatically.) The disc has scratches. Check the disc.
<b>No sound, or disc is automatically ejected</b>	<ul style="list-style-type: none"> <li>Load the disc correctly.</li> <li>Clean the disc.</li> </ul>	-E3-	No operation by some cause. If normal operation is not restored, consult your dealer or the nearest Service Center to ask for repairs.
<b>Sound skip, poor sound quality</b>	<ul style="list-style-type: none"> <li>Clean the disc.</li> </ul>	-E4-	Cannot read the file. Check the file.
<b>Sound skip due to vibration</b>	<ul style="list-style-type: none"> <li>The maximum permissible tilt angle is 30°.</li> <li>Secure the unit.</li> </ul>	-E5-	A WMA file can be copyrighted. The file protected by copyright is not playable.
<b>Disc unejectable</b>	<ul style="list-style-type: none"> <li>Press [EJECT]. If the disc is still not ejected, contact the nearest Panasonic Service Center.</li> </ul>		

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