Panasonic®

System Upgrade Guidebook
시스템 업그레이드 가이드북

Model: **CQ-VX220W**

DivX® | DOLBY DIGITAL | DVD VIDEO™ | COMPACT disc DIGITAL VIDEO | COMPACT disc DIGITAL AUDIO TEXT | MP3

Made for iPod | Works with iPhone

- Please read these instructions carefully before using this product and keep this manual for future reference.
- 본 제품의 바른 사용을 위해, 이 사용설명서를 잘 읽어 주십시오.
  잘 보관하시어 필요하실 때마다 읽어주시기 바랍니다.

Safety Information

■ Read the operating instructions for the unit and all other components of your car audio system carefully before using the system. They contain instructions about how to use the system in a safe and effective manner. Panasonic assumes no responsibility for any problems resulting from failure to observe the instructions given in this manual.

■ This manual uses pictographs to show you how to use the product safely and to alert you to potential dangers resulting from improper connections and operations. The meanings of the pictographs are explained below. It is important that you fully understand the meanings of the pictographs in order to use this manual and the system properly.

⚠ Warning	This pictograph intends to alert you to the presence of important operating instructions and installation instructions. Failure to heed the instructions may result in severe injury or death.

⚠ Caution	This pictograph intends to alert you to the presence of important operating instructions and installation instructions. Failure to heed the instructions may result in injury or material damage.

⚠ Warning

Observe the following warnings when using this unit.

❑ **The driver should neither watch the display nor operate the system while driving.**
Watching the display or operating the system will distract the driver from looking ahead of the vehicle and can cause accidents. Always stop the vehicle in a safe location and use the parking brake before watching the display or operating the system.

❑ **Use the proper power supply.**
This product is designed for operation with a negative grounded 12 V DC battery system. Never operate this product with other battery systems, especially a 24 V DC battery system.

❑ **Keep batteries and insulation film out of reach of infants.**
Batteries and insulation film can be ingested, so keep them out of the reach of infants. If an infant ingests a battery or insulation film, please seek immediate medical attention.

❑ **Protect the Deck Mechanism.**
Do not insert any foreign objects into the slot of this unit.

❑ **Do not disassemble or modify the unit.**
Do not disassemble, modify the unit or attempt to repair the product yourself. If the product needs to be repaired, consult your dealer or an authorized Panasonic Service Center.

❑ **Do not use the unit when it is out of order.**
If the unit is out of order (no power, no sound) or in an abnormal state (has foreign objects in it, is exposed to water, is smoking, or smells), turn it off immediately and consult your dealer.

❑ **The remote control unit should not lie about in the car.**
If the remote control unit lies about, it could fall on the floor while driving, get wedged under the brake pedal, and lead to a traffic accident.

❑ **Refer fuse replacement to qualified service personnel.**
When the fuse blows out, eliminate the cause and have it replaced with the fuse prescribed for this unit by a qualified service engineer. Incorrect replacement of the fuse may lead to smoke, fire, and damage to the product.

Observe the following warnings when installing.

❑ **Disconnect the lead from the negative (–) battery terminal before installation.**
Wiring and installation with the negative (–) battery terminal connected may cause electrical shock and injury due to a short circuit.
Some cars equipped with the electrical safety system have specific procedures of battery terminal disconnection. **FAILURE TO FOLLOW THE PROCEDURE MAY LEAD TO THE UNINTENDED ACTIVATION OF THE ELECTRICAL SAFETY SYSTEM RESULTING IN DAMAGE TO THE VEHICLE AND PERSONAL INJURY OR DEATH.**

❑ **Never use safety-related components for installation, grounding, and other such functions.**
Do not use safety-related vehicle components (fuel tank, brake, suspension, steering wheel, pedals, airbag, etc.) for wiring or fixing the product or its accessories.

❑ **Installing the product on the air bag cover or in a location where it interferes with airbag operation is prohibited.**

❑ **Check for piping, gasoline tank, electric wiring, and other items before installing the product.**
If you need to open a hole in the vehicle chassis to attach or wire the product, first check where the wire harness, gasoline tank, and electric wiring are located. Then open the hole from outside if possible.

❑ **Never install the product in a location where it interferes with your field of vision.**

❑ **Never have the power cord branched to supply other equipment with power.**

❑ **After installation and wiring, you should check the normal operation of other electrical equipment.**
The continuation of their using in abnormal conditions may cause fire, electrical shock or a traffic accident.

❑ **In the case of installation to an airbag-equipping car, confirm warnings and cautions of the vehicle manufacturer before installation.**

❑ **Make sure the leads do not interfere with driving or getting in and out of the vehicle.**

❑ **Insulate all exposed wires to prevent short circuiting.**

⚠ Caution

Observe the following cautions when using this unit.

❏ **Keep the sound volume at an appropriate level.**
Keep the volume level low enough to be aware of road and traffic conditions while driving.

❏ **Do not insert or allow your hand or fingers to be caught in the unit.**
To prevent injury, do not get your hand or fingers caught in moving parts or in the disc slot. Especially watch out for infants.

❏ **This unit is designed for use exclusively in automobiles.**

❏ **Do not operate the unit for a prolonged period with the engine turned off.**
Operating the audio system for a long period of time with the engine turned off will drain the battery.

❏ **Do not expose the unit to direct sunlight or excessive heat.**
Otherwise these will raise the interior temperature of the unit, and it may lead to smoke, fire, or other damage to the unit.

❏ **Do not use the product where it will be exposed to water, moisture, or dust.**
Exposure of the unit to water, moisture, or dust may lead to smoke, fire, or other damage to the unit. Make especially sure that the unit does not get wet in car washes or on rainy days.

❏ **Set the volume level to low enough before the AV1 IN connection is completed.**
Failure to observe this, the loud noise may come out and damage your speakers and your hearing. Direct connection of the speaker/headphone output of an external device without any attenuator may distort sound or damage the connected external device.

Observe the following cautions when installing.

❏ **Refer wiring and installation to qualified service personnel.**
Installation of this unit requires special skills and experience. For maximum safety, have it installed by your dealer. Panasonic is not liable for any problems resulting from your own installation of the unit.

❏ **Follow the instructions to install and wire the product.**
Not following the instructions to properly install and wire the product could cause an accident or fire.

❏ **Take care not to damage the leads.**
When wiring, take care not to damage the leads. Prevent them from getting caught in the vehicle chassis, screws, and moving parts such as seat rails. Do not scratch, pull, bend or twist the leads. Do not run them near heat sources or place heavy objects on them. If leads must be run over sharp metal edges, protect the leads by winding them with vinyl tape or similar protection.

❏ **Use the designated parts and tools for installation.**
Use the supplied or designated parts and appropriate tools to install the product. The use of parts other than those supplied or designated may result in internal damage to the unit. Faulty installation may lead to an accident, a malfunction or fire.

❏ **Do not block the air vent or the cooling plate of the unit.**
Blocking these parts will cause the interior of the unit to overheat and will result in fire or other damage.

❏ **Do not install the product where it is exposed to strong vibrations or is unstable.**
Avoid slanted or strongly curved surfaces for installation. If the installation is not stable, the unit may fall down while driving and this can lead to an accident or injury.

❏ **Installation Angle**
The product should be installed in a horizontal position with the front end up at a convenient angle, but not more than 30˚.
The user should bear in mind that in some areas there may be restrictions on how and where this unit must be installed. Consult your dealer for further details.

❏ **Wear gloves for safety. Make sure that wiring is completed before installation.**

❏ **To prevent damage to the unit, do not connect the power connector until the whole wiring is completed.**

❏ **Do not connect more than one speaker to one set of speaker leads. (except for connecting to a tweeter)**

Observe the following cautions when handling the battery for the remote control unit.

● Use only specified battery (CR2025).
● Match the polarity of the battery with the (+) and (−) marks in the battery case.
● Replace a dead battery as soon as possible.
● Remove the battery from the remote control unit when not using it for an extended period of time.
● Insulate the battery (by placing them in a plastic bag or covering them with vinyl tape) before disposal or storage.
● Dispose of the battery according to the local regulations.
● Do not disassemble, recharge, heat or short the battery. Do not throw a battery into a fire or water.

In case of battery leakage
● Thoroughly wipe the battery liquid off the battery case and insert new battery.
● If any part of your body or clothing comes into contact with battery liquid, wash it with plenty of water.
● If battery liquid comes into contact with your eyes, wash them with plenty of water and get immediate medical attention.
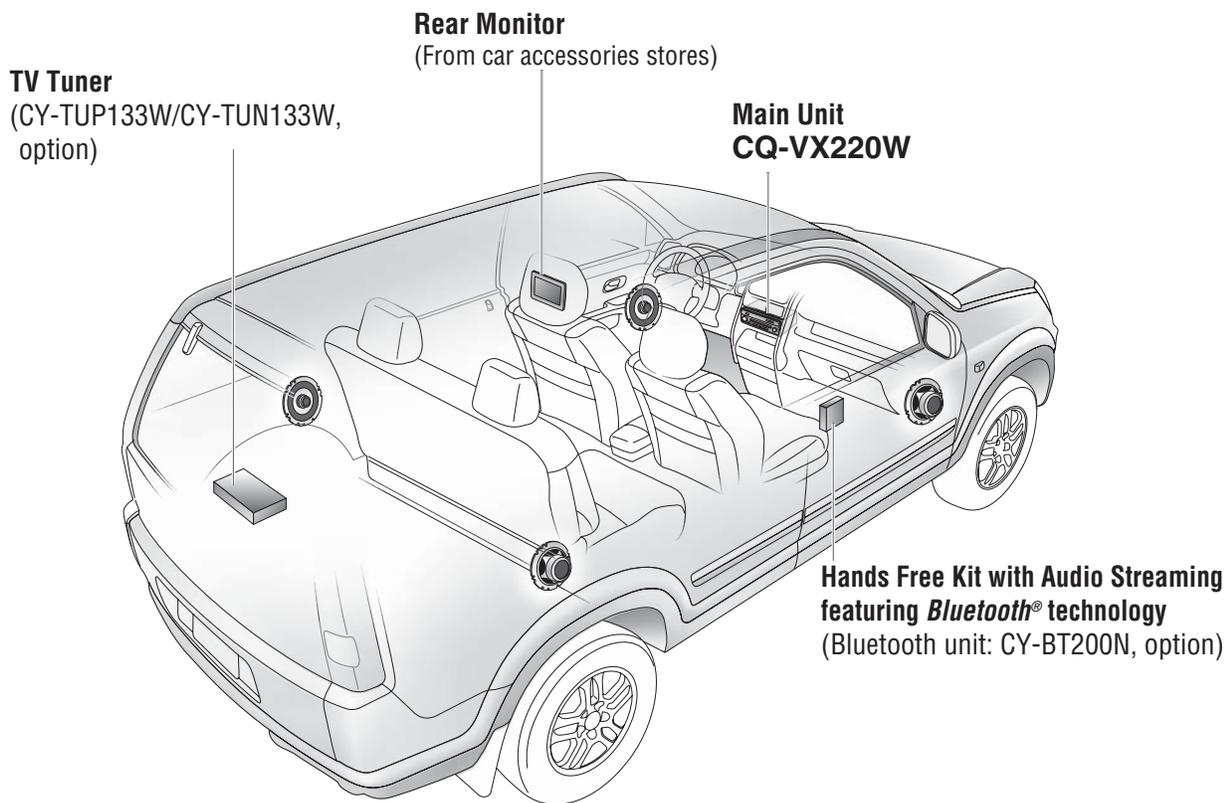
⚠ Caution

● **PLEASE FOLLOW THE LAWS AND REGULATIONS OF YOUR STATE, PROVINCE OR COUNTRY FOR WIRING, INSTALLATION, AND USE OF THIS UNIT AND THE DEVICES TO BE CONNECTED.**

Before Reading These Instructions

Panasonic welcomes you to our constantly growing family of electronic products owners.
We endeavor to give you the advantages of precise electronic and mechanical engineering, manufactured with carefully selected components, and assembled by people who are proud of the reputation their work has built for our company. We know this product will bring you many hours of enjoyment, and after you discover the quality, value and reliability we have built into it, you too will be proud to be a member of our family.

> **This is a guide book specific to system upgrading. Please refer to the operating instructions for basic operations, menu operations, specifications, etc.**

System upgrade sample

TV Tuner
(CY-TUP133W/CY-TUN133W, option)

Rear Monitor
(From car accessories stores)

Main Unit
CQ-VX220W

Hands Free Kit with Audio Streaming featuring *Bluetooth*® technology
(Bluetooth unit: CY-BT200N, option)

Connectable devices

■ TV tuner

You can connect the optional Panasonic TV tuner unit (CY-TUP133W/CY-TUN133W). For details, refer to the operating instructions for the TV tuner unit.

Note:
- CY-TUP133W/CY-TUN133W is an analog TV-specific tuner.
- If the analog broadcast system is replaced with the digital broadcast system in a country or area where CY-TUP133W/CY-TUN133W is used, TV broadcasts cannot be received.
- Inquire about the termination of analog broadcasting to the authorities concerned in the country or area where CY-TUP133W/CY-TUN133W is used.

■ Hands Free Kit with Audio Streaming featuring *Bluetooth*® technology (Bluetooth unit)

The Bluetooth unit (CY-BT200N) is connectable. This feature allows users to use a hands-free phone and Bluetooth audio systems.

Note:
- CY-BT100N is not supported.

  Bluetooth®

  The Bluetooth word mark and logo are owned by the Bluetooth SIG, Inc. and any use of such marks by Panasonic Corporation is under license. Other trademarks and trade name are those of their respective owners.

Note:
- Market conditions regarding optional devices vary with countries and regions. For further information, consult your dealer.
- If a non-Panasonic product is connected to this unit, we do not guarantee the operations of the product.

Contents

Common

Each Source

As needed

Touch Panel Operation Overview

❏ Notes on the Touch Panel

Before operation
● Clean the surface of the touch panel. (➡ Operating Instructions)

Operation
● Use only your fingers to operate the touch panel.
● Do not press the panel forcefully.
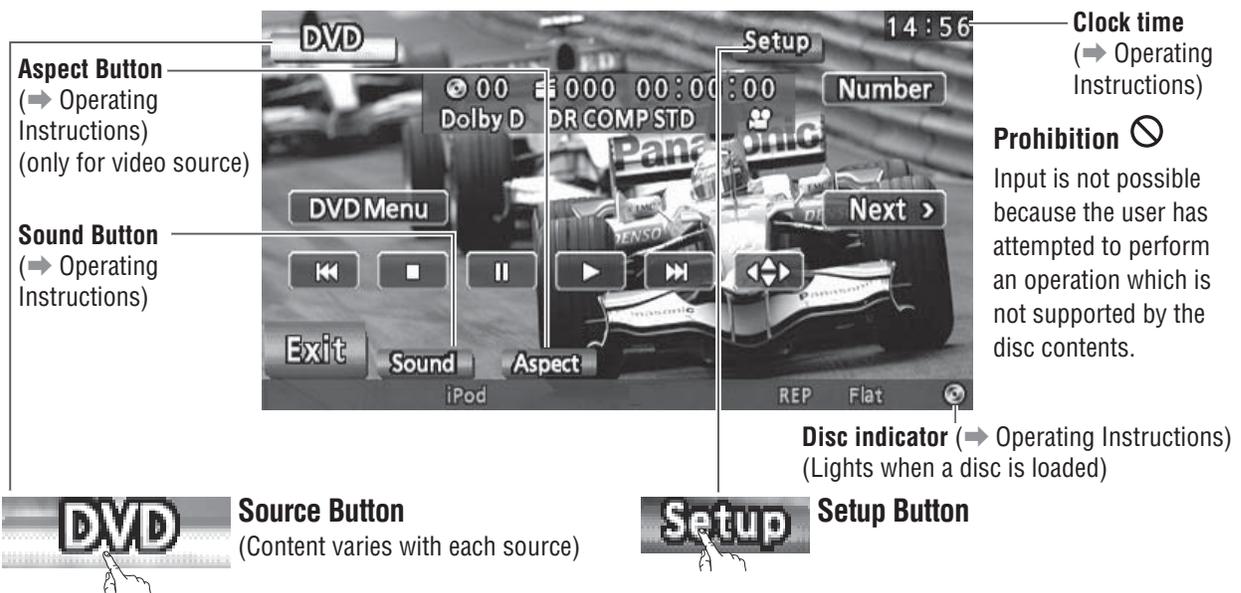● Do not scratch the panel with fingernails or any hard objects.

● Do not use a pen or other sharp implements to operate the touch panel.
● Do not bump the front panel.
  ➡ Failure to observe the above may damage or break the glass on the surface of the touch panel.

The State of Operation Screen

Example: DVD mode

Note:
● The following picture is partly darkened for explanation.
● Displaying contents and their positions partly vary with each mode. Refer to the description of each mode for details.

Aspect Button
(➡ Operating Instructions)
(only for video source)

Sound Button
(➡ Operating Instructions)

Clock time
(➡ Operating Instructions)

Prohibition ⃠

Input is not possible because the user has attempted to perform an operation which is not supported by the disc contents.

Disc indicator (➡ Operating Instructions)
(Lights when a disc is loaded)

Source Button
(Content varies with each source)

Displays the Source Selection Screen.

Source Selection Screen

Source Selection Screen appears.
Touch desired source button.
Touch [Exit] to quit.

Press **[SOURCE]/[SRC]** to change to desired mode.

Setup Button

Displays the Setup Screen.

Setup Screen

Setup Screen appears. Select desired setting.
Setup menu, (➡ Operating Instructions)

TV Tuner Control

English

7

Preparation:
- Connect a TV tuner (CY-TUP133W/CY-TUN133W, option) to the unit.
- It is required to install the TV antenna to receive TV broadcasts.
- For receiving TV broadcasts, stop your car where there is no obstacle to broadcast reception around.

Source Selection

❶ Touch **"Source Button"**.

❷ Touch ▲**TV** **(TV)** on the Source Selection Screen. (Content varies with connected devices)

Press **[SOURCE]/[SRC]** to change to the desired mode.

To switch Operation Screen ON, touch the center of touch panel or press [ENTER] on the remote control.

Note:
- CY-TUP133W/CY-TUN133W is an analog TV-specific tuner.
- If the analog broadcast system is replaced with the digital broadcast system in a country or area where CY-TUP133W/CY-TUN133W is used, TV broadcasts cannot be received.
- Inquire about the termination of analog broadcasting to the authorities concerned in the country or area where CY-TUP133W/CY-TUN133W is used.
- For the operations of the TV tuner with its remote control, aim the remote control at the remote control sensor of this unit.
- The remote control of the TV tuner (CY-TUP133W/CY-TUN133W, option) cannot turn on or off the power of the TV tuner.

Source Button
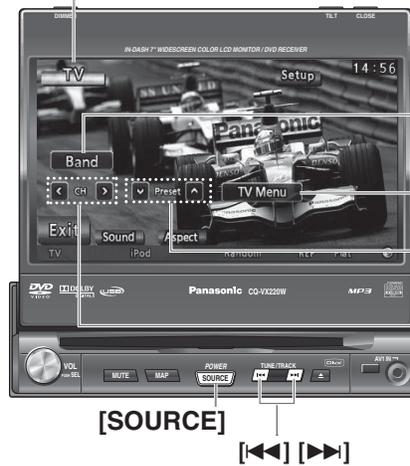
Band selection

TV menu

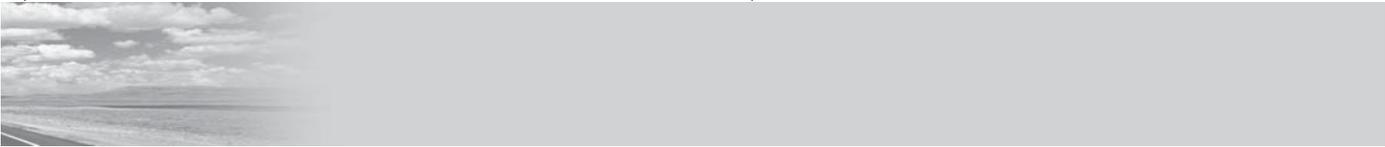Preset channel selection

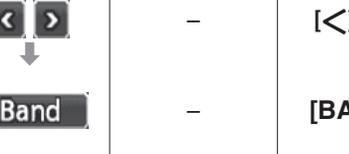Channel selection/Channel seeking

[SOURCE]

[|◀◀] [▶▶|]

Tuning

Operations				
Band Selection	Band	–	**[BAND]**	
	TV 1 ◀─────▶ TV 2			
Channel Selection	❯	[▶▶|]	[>]	Up
	❮	[|◀◀]	[<]	Down
Channel Seeking	❯	[▶▶|]	[>]	Up
	❮	[|◀◀]	[<]	Down
Displaying TV Menu	TV Menu	–	–	Calls up the menu of the tuner. To cancel, touch again.
Selecting an Item on the TV Menu	❮ ❯	–	[<][>]	Left/right
	^ v		[∧][∨]	Up/down

⌐ ¬ ⋯⋯ Touch/Press and hold

8 | **CQ-VX220W**

Preset Memory

Operations				
Auto Preset Memory	12 channels with first to 12th highest in signal strength will be preset to each band.			
	Band	–	[BAND]	Select a band.
	● Touch and hold for more than 2 seconds. ● "–" appears if the number of receivable channels is less than 12. New channels overwrite existing saved channels.			
Writing Preset Memory Favorite preset channels can be written after you have set the preset channel once.	Select a band and a channel.			
	∧	–	[∧]	
				● Preset channel writing mode display appears.
	◁ ▷	–	[<] [>]	Select a channel that you want to exchange.
	Band	–	[BAND]	Determine.
	TV Menu	–	–	● Exit from the preset writing.
Preset Channel Calling	∧	–	[∧]	Down
	∨		[∨]	Up
Deleting Preset Memory Favorite preset channels can be deleted after you have set the preset channel once.	Select a band and a channel.			
	∨	–	[∨]	
				● Preset channel deleting mode display appears.
	∧ ∨	–	[∧] [∨]	Select a preset number that you want to delete.
	Band	–	[BAND]	Determine.
	TV Menu	–	–	● Exit from the preset channel deletion.

┈┈┈┈ Touch and hold for more than 2 seconds

Bluetooth Unit Control (Audio)

> **Preparation:**
> ● Connect the Bluetooth Unit (CY-BT200N, option).

Bluetooth Audio Mode Selection

❶ Touch **"Source Button"**.

⬇

❷ Touch 🔵 **(Bluetooth Audio)** on the Source Selection Screen. (Content varies with connected devices)

Press **[SOURCE]/[SRC]** to change to the desired mode.

Source Button

Phone button (leading to the hands-free phone mode)

Bluetooth setting button

Disconnect button

[SOURCE]

Operation Buttons **[|◀◀] [▶▶|]**

Display of connection state
● **(Connected model)**: A Bluetooth audio device is connected.
● **No Connection**: Requires connection because no connection is established.
● **No Paired Device**: Requires registration because no registration is performed.

Note:
● The Bluetooth audio devices that can be played with this unit must be compatible with A2DP (Advanced Audio Distribution Profile) or AVRCP (Audio/Video Remote Control Profile).
● Please refer to the operating instructions of the Bluetooth unit (CY-BT200N) for further information regarding Bluetooth.
● We shall not guarantee all the functions of the Bluetooth audio device to be connected. When operations cannot be performed via this unit, operate the system via the Bluetooth audio device.
● Be aware that the battery of the Bluetooth compatible device drains faster if the Bluetooth compatible device is connected to this unit.
● Some Bluetooth devices may become unstable (such as no sound output) in the Bluetooth audio mode after deleting both the hands-free phone and audio pairings and then pairing the audio mode again.
If such a case occurs, delete the pairing and establish the pairing again.

Bluetooth Audio Settings

Operations	👆	👆	🎛	
Registration of the Bluetooth audio device with this unit	Set ⬇	–	–	❶ The setup screen appears.
	📱↔🖼 Pairing ⬇	–	–	❷ The registration screen appears.
	–	–	–	❸ Set up the Bluetooth compatible devices to be registered with this unit. (Touching Cancel stops registration.)

Touching Back calls the last screen.
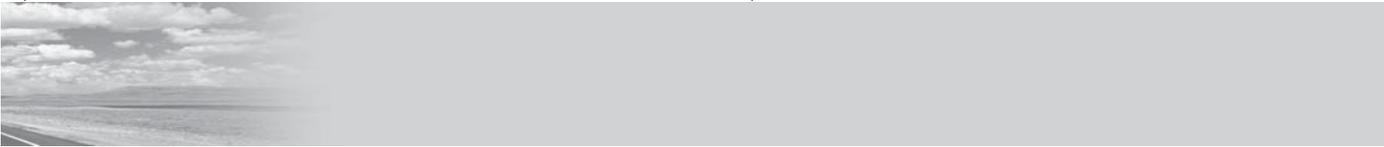
Bluetooth Audio Settings (continued)

Operations				
Display of the registered data	Set	–	–	❶ The setup screen appears.
	↓			↓
	BT Device Information	–	–	❷ The registered data display/selection screen appears.
	↓			↓
	Paired Device or BT200	–	–	❸ Paired Device : Displays the data of the Bluetooth compatible device connected to this unit. BT200 : Displays the data of CY-BT200N.
Setting of PIN (Personal Identity Number) code	–	–	–	❶ Call up the registered data of CY-BT200N (see above).
	↓			↓
	Change	–	–	❷ The PIN code entry screen appears.
	↓			↓
	0 to 9	–	–	❸ Enter your desired number. (For retrying selection during number entry, touch Clear .)
	↓			↓
	Enter	–	–	❹ Determine the entry.
Deletion of the registered data **Note:** • The registered data of the hands-free phone is not deleted by this operation. Refer to page 13 to delete the registered data of the hands-free phone.	Set	–	–	❶ The setup screen appears.
	↓			↓
	Delete Pairing	–	–	❷ The screen to decide whether the registered data is deleted appears.
	↓			↓
	Yes or No	–	–	❸ Yes : Deletes the registered data. (Touch of Yes again determines the deletion.) No : Does not delete the registered data.
Connection cancellation	Disconnect	–	–	The connection between this unit and the Bluetooth compatible device is canceled.

⌐⌐⌐ ······ Touch and hold for more than 2 seconds   Touching Back calls the last screen.

Basic Operation

Operations				
File Selection	▶▶|	[▶▶|]	[▶▶|]	Next file
	|◀◀	[|◀◀]	[|◀◀]	Beginning of the current file Previous file (Touch/press twice.)
Fast Forward	▶▶	[▶▶|]	[▶▶|]	Fast forward Release to resume playback.
Play/Pause	▶||	–	[▶]/[||]	Touching toggles playback or pause.

⌐⌐⌐ ······ Touch/press and hold for more than 2 seconds

Bluetooth Unit Control (Hands-free Phone)

Preparation:
● Connect the Bluetooth Unit (CY-BT200N, option).

Bluetooth Hands-free Phone Mode Selection
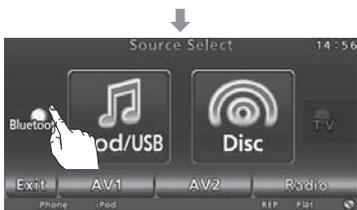
Telephone picking up

Press **[Hang-on]** of the Bluetooth unit (CY-BT200N) when receiving a telephone call. (Registration of your mobile phone in advance is required.)
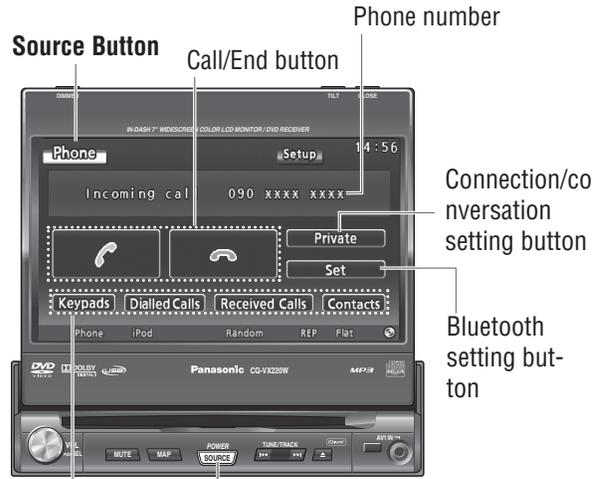
Note:
● Even pressing **[Hang-up]** provides the state of picking up the phone during a call incoming for some mobile phone models.

Source selection

❶ Touch **"Source Button"**.

❷ Touch Bluetooth **(Bluetooth)** on the Source Selection Screen. (Content varies with connected devices)

Press **[SOURCE]/[SRC]** to change to the desired mode.

❸ Touch Phone .

Phone number

Source Button   Call/End button

Phone   Setup   14:56

Incoming call   090 XXXX XXXX

Private

Set

Keypads Dialled Calls Received Calls Contacts

Phone   iPod   Random   REP   Flat

Panasonic CQ-VX220W   MP3

MUTE MAP POWER SOURCE TUNE/TRACK AV IN

Connection/conversation setting button

Bluetooth setting button

[SOURCE]

Calling method selection button

Switch unit of CY-BT200N

[Hang-on]

[Hang-up]
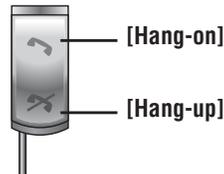
Note:
● To have a mobile phone conversation with use of this unit, the mobile phone shall be compatible with the Hands-Free Profile.
● Refer to the operating instructions of the Bluetooth unit (CY-BT200N) for further information regarding Bluetooth.
● We shall not guarantee all the functions of the Bluetooth-ready mobile phone to be connected.
● Some Bluetooth devices may become unstable (such as no sound output) in the Bluetooth audio mode after deleting both the hands-free phone and audio pairings and then pairing the audio mode again.
  If such a case occurs, delete the pairing and establish the pairing again.

Bluetooth Hands-free Phone Settings

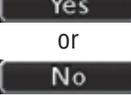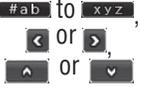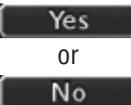| Operations				
Registration of the Bluetooth-ready mobile phone with this unit	Set	–	–	❶ The setup screen appears.
	Pairing	–	–	❷ The registration screen appears.
	–	–	–	❸ Set up the Bluetooth compatible devices to be registered with this unit. (Touching Cancel stops registration.)

Touching Back calls the last screen.

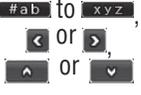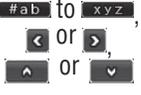# Bluetooth Hands-free Phone Settings (continued)

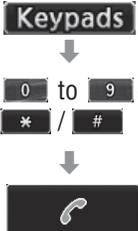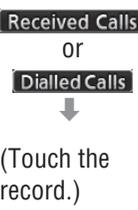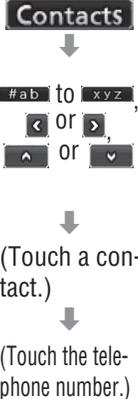| Operations				
Display of the registered data	Set ↓ BT Device Information ↓ Paired Device or BT200	– – –	– – –	❶ The setup screen appears. ↓ ❷ The registered data display/selection screen appears. ↓ ❸ Paired Device : Displays the data of the Bluetooth compatible device connected to this unit. BT200 : Displays the data of CY-BT200N.
Setting of PIN (Personal Identity Number) code	– ↓ Change ↓ 0 to 9 ↓ Enter	– – – –	– – – –	❶ Call up the registered data of CY-BT200N (see above). ↓ ❷ The PIN code entry screen appears. ↓ ❸ Enter your desired number. (For retrying selection during number entry, touch Clear .) ↓ ❹ Determine the entry.
Deletion of the registered data **Note:** ● The registered data of Bluetooth audio devices is not deleted by this operation. Refer to page 11 to delete the registered data of Bluetooth audio devices.	Set ↓ Delete Pairing ↓ Yes or No	– – –	– – –	❶ The setup screen appears. ↓ ❷ The screen to decide whether the registered data is deleted appears. ↓ ❸ Yes : Deletes the registered data. (Touch of Yes again determines the deletion.) No : Does not delete the registered data.
Transmission of the telephone directory stored on the mobile phone to this unit **Note:** ● To use this function, the mobile phone shall be compatible with the Object Push Profile. ● Maximum number of phonebook entries: 100.	Set ↓ Edit Contacts ↓ Import From Mobile Phone ↓ –	– – – –	– – – –	❶ The setup screen appears. ↓ ❷ The screen on which the contents of the telephone directory are selectable appears. ↓ ❸ The screen on which the contents of the telephone directory can be written or edited appears. ↓ ❹ Set up the mobile phone whose telephone directory is transmitted. (Touching Cancel stops transmission.)

Touching Back calls the last screen.

Bluetooth Unit Control (Hands-free Phone)

Bluetooth Hands-free Phone Settings (continued)

Operations				
Deletion of all the contacts	Set	–	–	❶ The setup screen appears.
	Edit Contacts	–	–	❷ The screen on which the contents of the telephone directory are selectable appears.
	Delete Contacts	–	–	❸ The screen on which the range of deleting the contacts can be specified appears.
	All	–	–	❹ The screen to decide whether or not to delete all the contacts appears.
	Yes or No	–	–	❺ Yes : Deletes all contacts. No : Does not delete all contacts.
Deletion of the contacts piece by piece	–	–	–	❶ Call the screen on which the range of deleting the contacts can be specified (see above).
	Each	–	–	❷ The telephone directory appears.
	#ab to xyz, ‹ or ›, ^ or v	–	–	❸ #ab to xyz : Selects the initial of the contact. ‹ or › : Calls a currently undisplayed initial. ^ or v : scrolls up/down the list by 1 page.
	(Touch a contact.)	–	–	❹ The screen to decide whether or not to delete the contact appears.
	Yes or No	–	–	❺ Yes : Deletes the contact. No : Does not delete the contact.
Deletion of the record	Received Calls or Dialled Calls	–	–	❶ Received Calls : Displays the incoming call record. Dialled Calls : Displays the outgoing call record.
	Delete All	–	–	❷ The screen to decide whether or not to delete all the receiving/calling records appears.
	Yes or No	–	–	❸ Yes : Deletes all the receiving/calling records. No : Does not delete all the receiving/calling records.
Connection cancellation	Disconnect	–	–	The connection between this unit and the Bluetooth compatible device is canceled. (Touch again to reconnect.)
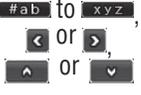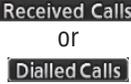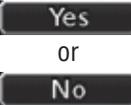
Disconnect ······ Touch and hold for more than 2 seconds   Touching Back calls the last screen.

(continued)

Basic Operation

Operations	[touch]	[swipe]	[remote]	
Telephone number entry to make a call	**Keypads** ↓ `0` to `9` , `*` / `#` ↓ 📞	– – –	– – –	❶ The phone number entry screen appears. ↓ ❷ Enter a telephone number. (For retrying selection during number entry, touch **Clear**.) ↓ ❸ Make a call.
Use of outgoing/incoming call records to make a call	**Received Calls** or **Dialled Calls** ↓ (Touch the record.)	– –	– –	❶ **Received Calls** : Displays the incoming call record. **Dialled Calls** : Displays the outgoing call record. ↓ ❷ Make a call to the selected record.
Use of telephone directory to make a call	**Contacts** ↓ `#ab` to `xyz` , `◄` or `►` , `▲` or `▼` ↓ (Touch a contact.) ↓ (Touch the telephone number.)	– – – –	– – – –	❶ The telephone directory appears. ↓ ❷ `#ab` to `xyz` : Selects the initial of the contact. `◄` or `►` : Calls a currently undisplayed initial. `▲` or `▼` : scrolls up/down the list by 1 page. ↓ ❸ The screen on which the telephone number of the contact is selectable appears. ↓ ❹ Make a call.
Selection of private mode conversation **Note:** ● This operation is enabled only during a telephone call.	**Private**	–	–	Every time this button is pressed, this function is switched between ON and OFF. **Private** : Switches from hands-free conversation to private conversation with use of the mobile phone during a call. **Hands-Free** : Enables hands-free conversation.

Touching **Back** calls the last screen.

Note:
● Reception of a call at MUTE-on temporarily cancels the mute function and disables operations. After end of phone communication, the mute function resumes.
● Source change and Sound -related operations in the menu are not feasible during reception of a call. But volume is adjustable and the power can be turned off even during reception of a call.

● Reception of a call at power-off does not turn on the power of this unit.
● The contents of the telephone directory registered with this unit cannot be added, edited, or deleted partly. To change the contents of the telephone directory, delete all the contents of the telephone directory registered with this unit and perform registration again.

Troubleshooting

15

❏ 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 Service Center. The product should be serviced only by qualified personnel. Please refer checking and 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. **Never take measures especially those other than indicated by *italic* letters in "Possible Solution" described below because those are too dangerous for users to handle themselves.**

⚠ 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.

■ Car Navigation, VCR, Camcorder, Rear View Camera, Rear Monitor

Problem	Possible cause ➡ **Possible solution**
The picture from a car navigation system is not displayed.	The connection of a car navigation system is not correct. ➡**Connect it correctly.**
	Input setting of a car navigation system is not correct. ➡***Correct the input setting.***
The picture from a VCR or a camcorder is not displayed.	A VCR or Camcorder is not connected correctly. ➡**Connect a VCR or Camcorder correctly.**
The picture from a rear view camera is not displayed.	Rear view camera is not connected correctly. ➡**Connect a rear view camera correctly.**
	Input setting of camera is not correct. ➡***Correct the input setting.***

◼ Bluetooth Unit

This unit does not display the pairing screen when trying to pair a device.	▶	The Bluetooth Unit and Bluetooth device are too far apart. ➡ *Bring the Bluetooth Unit and Bluetooth device closer together and try to pair again.*
The other party in the call complains of echoing or noise.	▶	The Bluetooth Unit and Bluetooth device are too far apart. ➡ *Close the windows.* ➡ *Move the Bluetooth Unit microphone away from the car speakers.* ➡ *Lower the volume.*
Telephone audio is of poor quality. Telephone audio is inaudible.	▶	Cellular phone reception is poor. ➡ *Check cellular phone reception.*
Bluetooth audio does not work.	▶	The Bluetooth audio-compliant device does not support AVRCP (Audio/Video Remote Control Profile). ➡ *Check the instruction manual of the Bluetooth audio-compliant device for support conditions.*