AQUATIC AV
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WATER/DUST PROOF DVD MEDIA CONTROL CENTER
AQ-DVD-4

OWNERS MANUAL

AQ-DVD-4

WATER/DUST PROOF DVD MEDIA CONTROL CENTER

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AQUATIC AV
products with a watertight reputation

Made for
iPod iPhone

mp3

DVD VIDEO

COMPACT disc DIGITAL AUDIO

COMPACT disc DIGITAL VIDEO

! PLEASE READ THIS INSTRUCTION MANUAL BEFORE INSTALLATION AND OPERATION !

SAFETY INFORMATION

CAUTION:

MOBILE DVD PLAYER IS A CLASS I LASER PRODUCT. HOWEVER THIS MOBILE DVD PLAYER USES A VISIBLE/INVISIBLE LASER BEAM WHICH COULD CAUSE HAZARDOUS RADIATION EXPOSURE IF DIRECTED. BE SURE TO OPERATE THE MOBILE DVD PLAYER CORRECTLY AS INSTRUCTED.

USE OF CONTROLS OR ADJUSTMENTS OR PERFORMANCE OF PROCEDURES OTHER THAN THOSE SPECIFIED HEREIN MAY RESULT IN HAZARDOUS RADIATION EXPOSURE.

DO NOT OPEN COVERS AND - DO NOT REPAIR YOURSELF. REFER SERVICING TO QUALIFIED PERSONNEL.

WARNING:

TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, AND ANNOYING INTERFERENCE, USE ONLY THE RECOMMENDED ACCESSORIES.

THIS DEVICE IS INTENDED FOR CONTINUOUS OPERATION.

FCC STATEMENT

CONTENTS

FCC ID:
MADE IN CHINA

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

NOTE:
The equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try and correct the interference by one or more of the following measures:
- Reorientate or relocate the receiving antenna.
- Increase the separation between the equipment and the receiver.
- Consult the dealer or an experienced radio/TV technician for help.

The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications to this equipment. Such modifications could void the user authority to operate the equipment.

Region Management Information
Region Management Information: This Mobile DVD Player is designed and manufactured to respond to the Region Management Information that is recorded on a DVD disc. If the Region number described on the DVD disc does not correspond to the Region number of this Mobile DVD Player, this Mobile DVD Player cannot play this disc.

Product design and specification subject to change without notice. E&OE.
iPod and iPhone are Trademarks of Apple Inc, registered in the US and other countries.

AQ-DVD-4 MANUAL CONTENTS

MAIN FEATURES

TROUBLE SHOOTING

FEATURES

- **PLL Synthesizer Stereo Radio**
- **Automatic Memory Storing**
- **CD/MP3/WMA/MP4/DVD Player**
- **Fold-down fascia panel**
- **USB interface**
- **iPOD / iPHONE interface**
- **2 ZONE Function**
- **Wired Remote Ready (supplied separately)**
- **The AQ-DVD-4 DVD player can play discs recorded in either PAL or NTSC format.**
- **Left & Right Stereo Analog audio outputs for connection to external amplifiers.**
- **Composite video output**
- **Optional remote handles multi-function software**

  (multi-language audio-track/subtitle, multi-angle, multi-story etc) plus all basic

  functions)

Before going through the checklist check all wiring connections. If any of the problems persist after checklist has been made consult your nearest Aquatic AV service dealer.

Symptom	Cause	Solution
No power.	The ignition switch is not on.	If the power supply is connected to the accessory circuits, but the engine is not moving, switch the ignition key to "ACC".
	The fuse is blown.	Replace the fuse.
Disc cannot be loaded or ejected.	Presence of CD disc inside the player.	Remove the disc in the player, then put a new one.
	Inserting the disc in reverse direction.	Insert the compact disc with the label facing upward.
	Compact disc is extremely dirty or detective disc.	Clean the disc or try to play a new one.
	The ambient temperature is too high.	Cool off or until the ambient temperature return to normal.
	Condensation.	Leave the player off for an hour or so, then try again.
No sound.	Volume is in minimum or mute is on	Adjust volume to desired level or un-mute
	Wiring is not properly connected.	Check wiring connection.
Sound skips.	The installation angle is more than 30 degree.	Adjust the installation angle less than 30 degree.
	The disc is extremely dirty or defective disc.	Clean the compact disc, then try to play a new one.
The operation keys do not work.	The built-in microcomputer is not operating properly due to noise.	Press the RESET button.. Front panel is not properly fix into its place.
The radio does not Work. The radio station automatic selection does not work.	The antenna cable is not connected.	Insert the antenna cable firmly.
	The signals are too weak.	Select a station manually.

SPECIFICATIONS

DVD/CD Section
Compatible Disc/Format.......... See page 5 for more detailed description

Signal to Noise Ratio................ > 80 dB
Frequency Response............... 20Hz to 20kHz +/-3dB
Channel Separation................. 2 Channel(Stereo) > 60dB@1kHz

Video Section
Color System........................... NTSC/PAL/AUTO
Video Output............................ Composite 1.0VPP(+/-0.2) 75 ohm
Video Input.............................. Composite 1.0VPP(+/-0.2) 75 ohm

Audio Section
Max output power..................... 72W x 4 channels (at 2 Ohms)
Max load impedance................ 2 Ohms
Line out level/load.................... 2.0V/10K ohm load

Auxiliary Input Section
Frequency response................ 20Hz to 20kHz +/-3dB
Input Maximum Voltage............ 1200mV

Radio Section
FM
Frequency Range..................... 87.5-107.9MHz(200KHz space) / 87.5-108MHz
Usable Sensitivity..................... ≦15dB at S/N 30dB
Stereo Separation.................... 25dB at 1KHz
S/N Ratio................................. 50dB

AM or MW
Frequency Range.................... 530-1710(10KHz space) / 522-1620kHz
Usable Sensitivity..................... ≦40dB at S/N 20dB
S/N Ratio................................. 40dB

General
Operating Voltage.................... DC 10.7V - 15.6V
Grounding System................... Negative Ground
Fuse:....................................... 15 Amp Mini ATM Type
Operating Temperature:........... -20°C to 70°C
Unit Mounting Angle................. < 30°

DISC NOTES

SUPPORTED DISC TYPES

- Digital Versatile Discs(DVDs)
- Video CDs(VCDs)
- HDCD
- Digital Versatile Discs Recordable(DVD+/-R)
- Digital Versatile Discs Rewritable(DVD+/-RW)
- Compact Discs(CDs)
- CD Recordable(CD-R)
- CD Rewritable (CD-R)

SUPPORTED AUDIO FORMATS

Playback CD-DA and MP3 or WMA digital music file on CD-ROM or DVD-ROM

ℹ️ *MP3 and WMA:*
Supported Sampling frequencies: 32kHz,44kHz,48kHz
Supported Bit-Rates:64-256kbps variable bit rate.

SUPPORTED VIDEO FORMATS

- Playback IMAGE JPEG,DVD
- Video,MP4 on CD-ROM or DVD-ROM
- Noted MP4: Supported decoding MPEG-4 video defined by ISO 14496-2 standard
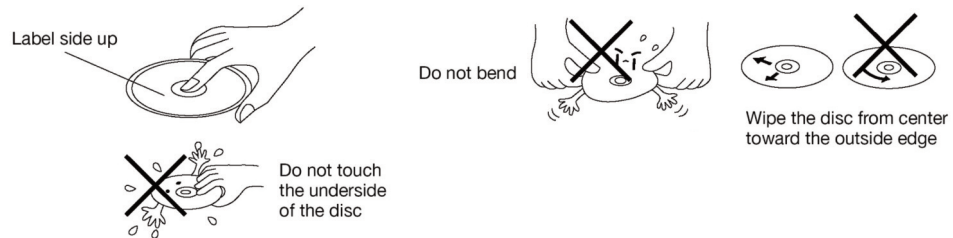
UNSUPPORTED DISC TYPES

- 8 cm disc
- LD
- CDV,CDI,CDG
- DVD RAM

DISC HANDLING

DISC CLEANING

Use a dry soft cloth to wipe the surface. If the disc is dirty, use a soft cloth slightly damp-
ened with rubbing alcohol. Never use solvents such as benzene, thinner or conventional
record cleaners as they may scratch the surface of the disc.

ℹ️ *A disc may become somewhat scratched (although not enough to make it unusable)
depending on the way it is handled and conditions in the usage environment. Note
these scratches are not an indication of any problem with the player.*

Label side up

Do not touch
the underside
of the disc

Do not bend

Wipe the disc from center
toward the outside edge

PREPARING DISCS WITH ROUGH SPOTS

A new disc may have rough edges on its inside and outside edges. If a disc with rough
edges is used, the proper setting will not be performed and the player will not play the disc.
Therefore, remove the rough edges in advance by using a ballpoint pen or pencil as shown
on the right. To remove the rough edges, press the side of the pen or pencil against the in-
side and outside edges of the disc.

Rough spots on
outside edge

Ball point pen
or pencil

Rough spots
on inside edge
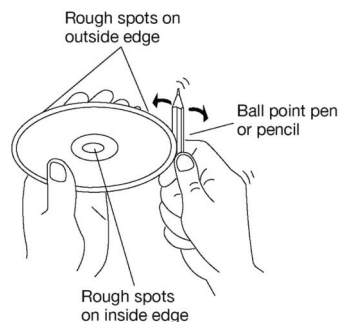
SYSTEM SET UP MENU

PAL/NTSC SELECTION

Using the VOLUME+/- buttons move to the NTSC/PAL button and press ENTER. The
player's video settings will appear:

TV SHAPE
NTSC/PAL   NTSC
DEFAULT   PAL

MPEG Ver:RD8202-024_MR_DUSII ver01.23.2

Selecting the video setting allows the user to select the TV output (DVD and VCD only). The
following options are available:

NTSC = TV is NTSC. PAL content is played at NTSC resolution and frame rate

PAL = TV is PAL. NTSC content is played at PAL resolution and frame rate.

DEFAULT

Using the VOLUME+/- buttons move to the DEFAULT button and press ENTER.

PARENTAL CONTROL RATING

Selecting a Parental Control Rating allows the user to set the parental control feature of the DVD player. Press OK to cycle through the available options:

Kid Safe = Only titles with a parental control setting of 1 are allowed to play

G = Only titles with a parental control setting of 2 or less are allowed to play

PG = Only titles with a parental control setting of 3 or less are allowed to play

PG-13 = Only titles with a parental control setting of 4 or less are allowed to play

PG-R = Only titles with a parental control setting of 5 or less are allowed to play

R = Only titles with a parental control setting of 6 or less are allowed to play

NC-17 = Only titles with a parental control setting of 7 or less are allowed to play

Adult = Allow any title to play (factory default)

> ℹ️ *1. Parental Control functions only if the DVD title has the correct program encoded. Parental control does not work for VCD or CD Audio.*

> ℹ️ *2. Rating can only be changed if the password unlock icon 🔓 is visible. Rating can not changed if the password locked 🔒 is visible.*

ASPECT RATIO

Using the VOLUME+/- buttons move to the Video button and press ENTER. The player's Video settings will appear:

Selecting the TV Aspect setting allows the user to select the aspect ratio of the TV (DVD and VCD only). The following options are available:

4:3 = Aspect ratio of TV is 4:3
16:9 = Aspect ratio of TV is 16:9

Both wide screen and 4:3 contents will fill the entire screen.

INSTALLATION

The DVD-4 Media Center is designed for the harsh conditions of the marine environment. For easy system set-up, mount the Media center so the front panel controls will be easily accessible from the driver's seat. In addition, observe the following precautions:

1. Check clearances on both sides of a planned installation before drilling any holes or installing any screws.

2. When routing RCA audio cables keep them away from power cables and output speaker wires.

3. Due to the harsh conditions of the marine environment, Always support the back of the unit with the supplied back strap.
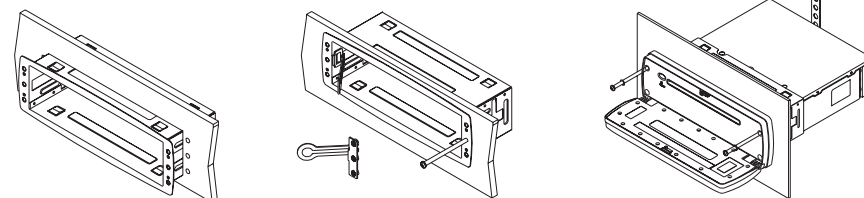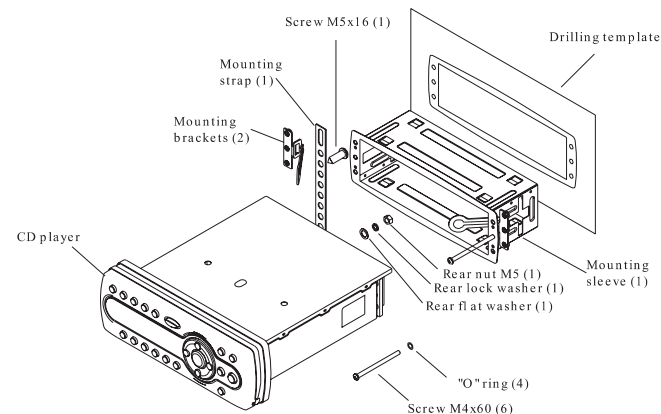
1.Slide mounting can into DIN opening.

2.Slide backing brackets into position and tighten center bolts. Remove backing brackets handles by bending backet handles until they break off.

3.Slide Media Center into mounting can. Secure Media Center using supplied Stainless Steel hardware and back strap.

GETTING STARTED

SYSTEM SET UP MENU

12-PIN HARNESS
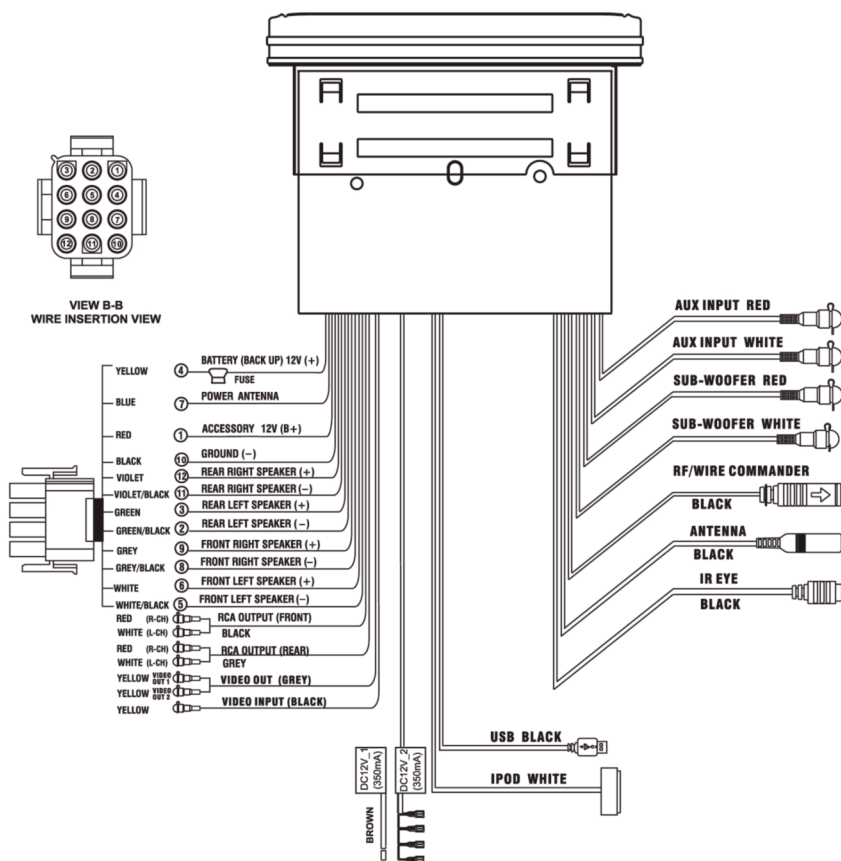
PIN NO.	WIRE COLOR	DESCRIPTION
1	RED	ACCESSORY (+12V)
2	GREEN/BLACK	LEFT REAR SPEAKER (-)
3	GREEN	LEFT REAR SPEAKER (+)
4	YELLOW	BATTERY (+12V)
5	WHITE/BLACK	LEFT FRONT SPEAKER (-)
6	WHITE	LEFT FRONT SPEAKER (+)
7	BLUE	POWER ANTENNA
8	GRAY/BLACK	RIGHT FRONT SPEAKER (-)
9	GRAY	RIGHT FRONT SPEAKER (+)
10	BLACK	GROUND
11	VIOLET/BLACK	RIGHT REAR SPEAKER (-)
12	VIOLET	RIGHT REAR SPEAKER (+)

PASSWORD SETTINGS

Password Settings allow the user to enter a password to lock and unlock the parental control rating of the DVD player. The following options are available:

Unlocked = The parental control is unlocked and may be changed in the Rating selection (factory default)

Locked = The parental control is locked so no changed may be made to the Rating selection.

LOCKING THE PASSWORD

Enter four digits using the number keys. Each number entered is overwritten by "*". When all four have been entered press the OK button. The locked icon 🔒 will appear and the password is saved in non-volatile memory.

UNLOCKING THE PASSWORD

Enter the four-digit password using the number keys. Each number is overwritten by "*". When all four have been entered, press the OK button, If the password was entered correctly the unlocked icon 🔓 will appear and the password is erased from memory.

If the wrong password was entered no change will occur and the user may attempt to enter the password again.

ⓘ *1.The password is always four digits.*

ⓘ *2.If the password is forgotten, the "back-door" password 8888 will unlock the parental control.*

ⓘ *3.See the explanation on Parental Control Rating on page 34 to see how locking and unlocking the password has an effect on the Parental Control functions*

SYSTEM SET UP MENU

AUDIO LANGUAGE SETTINGS

Using the VOLUME+/- buttons to navigate to the AUDIO LANG button and press ENTER.
The player's Language settings will appear:

Selecting the DVD Audio setting allows the user to select a preferred audio language (DVD only).

> *i* *Some DVDs may be played in a different language than selected.*
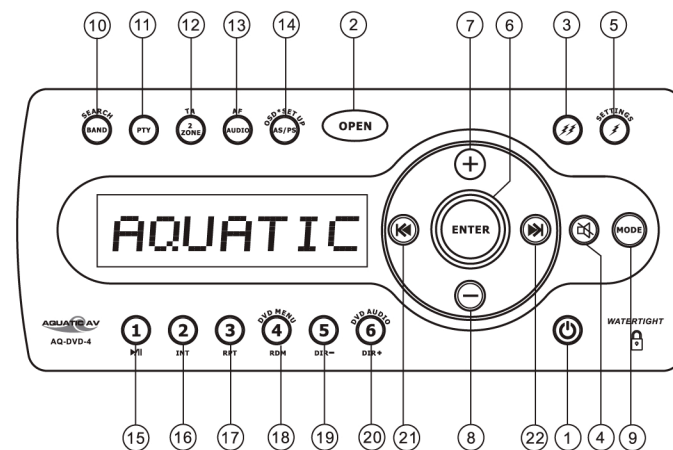
DVD MENU LANGUAGE

Using the VOLUME+/- buttons move to the DVD Menu Language button and press ENTER.
The player's Language settings will appear:

Selecting the DVD OSD (On Screen Display) Menu setting allows the user to select a preferred language for the DVD OSD menus and messages.

> *i* *Some DVDs may not include the pre-selected language. In this case the player automatically displays menus consistent with the disc's initial language setting.*

AQ-DVD-4

LOCATION OF CONTROLS

OPERATIONS:

KEY	SYSTEM Short Press	SYSTEM Long Press	TUNER Short Press	TUNER Long Press	CD Short Press	CD Long Press	MP3/WMA Short Press	MP3/WMA Long Press	USB Short Press	USB Long Press	DVD Short Press	DVD Long Press	iPod Short Press	iPod Long Press
1	Power													
2		OPEN (Panel release button)												
3	12V_2													
4	Mute													
5	12V_1	Settings												
6	Enter				Enter		Enter		Enter		Enter		Enter	
7	Volume Up													
8	Volume down													
9	Mode													
10		Band			(VCD DISC:PBC ON→OFF	Search (MUSIC→PHOTO)	Search (MUSIC→PHOTO →MOVIE)							Search (MUSIC→VIDEO)
11		PTY												
12	2 Zone		TA											
13	Audio		AF											
14		PS	AS	OSD (VCD Disc)					OSD	Set-up	OSD	Set-up		
15		M1	Memory 1	Pause/Play		Pause/Play		Pause/Play		Pause/Play		Pause/Play		Pause/Play
16		M2	Memory 2	INTRO ALL→OFF		INTRO DIR → INTRO ALL→OFF		INTRO DIR → INTRO ALL→OFF						INTRO ALL→OFF
17		M3	Memory 3	Repeat ONE→ Repeat ALL		Repeat ONE → Repeat DIR → Repeat ALL		Repeat ONE → Repeat DIR → Repeat ALL		Repeat Chapter→ Repeat Title → Repeat OFF				Repeat ONE → Repeat ALL
18		M4	Memory 4	Random ALL→ OFF		Random DIR→ Random ALL→ OFF		Random DIR→ Random ALL→ OFF		DVD MENU				Random DIR→ Random ALL→ OFF
19		M5	Memory 5	-10		Up Folder		Up Folder						
20		M6	Memory 6	+10		Down Folder		Down Folder		DVD Audio				
21		Seek Down	Tuner Down	File/Track Down	Fast Backward	File/Track Down	Fast Backward	File/Track Down	Fast Backward	Back	Fast Backward	File Down	Fast Backward		
22		Seek Up	Tuner Up	File/Track Up	Fast Forward	File/Track Up	Fast Forward	File/Track Up	Fast Forward	Next	Fast Forward	File Up	Fast Forward		

FUNCTION OF CONTROLS

SYSTEM SET UP MENU

MAIN FUNCTION CONTROLS

POWER ON/OFF
Press the POWER ⏻ button to turn the unit ON or OFF

PANEL OPEN
Press OPEN (OPEN) button to open the front panel/fascia and reveal disc slot.

MUTE
Short press the MUTE button to mute the audio output and "MUTE" will appear on the display. Press the MUTE button again to restore the audio output to the previous level.

MODE
Short press the MODE button to cycle through the available modes of operation as indicated on the display panel. Available modes are RADIO, DISC, AV IN, USB, IPOD.

VOLUME UP/DOWN
Press the volume up (+) or volume down (−) buttons to control volume to the desired level. When the volume is adjusted the level is shown on the display panel as a number and guage bar ranging from 00 (lowest) to 50 (highest).

12V DC EXTERNAL TRIGGERS
This unit has two buttons 12V trigger buttons named 12V-1 and 12V-2. These can be used to transmit switching or 'trigger' signals, capable of driving 12VDC/350mA and operating relays for external equipment (not supplied) such as deck lighting etc.

The 2 triggers will be activated ON/OFF via the following.

● Trigger 1 : Short press
● Trigger 2 : Short press

RESET FUNCTIONS

To reset the main unit
Open the front panel/fascia and use a pencil or any non-metallic object to press & hold the reset button for five seconds to reset the main unit and the unit will return to the factory default settings.

To reset the DVD settings
When the DVD is playing press AS/PS button to enter the Menu. Select DEFAULT then select RESTORE and press ENTER to confirm. The DVD Setting will resume to factory default value.

Ejecting the Disc
Open the front panel and press the EJECT button to eject the disc. Close the front panel manually.

ENTERING & NAVIGATING SET UP MENU

Press the SET UP button to enter the setup menu

Press the SET UP button when the setup menu is displayed to exit setup menu.

When the setup menu is entered the following system categories will be shown on the OSD (On Screen Display). Each system category can be edited accordingly as detailed below.
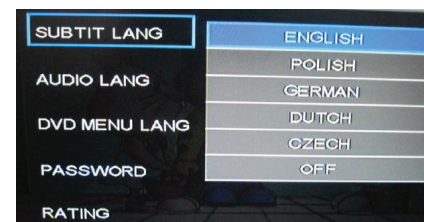
Use VOLUME+/- buttons to navigate to the category to be changed. Press ENTER to enter the settings for desired setup category.

When the category changes are set press either VOLUME+/- button repeatedly to return to the main setup menu.

Use the VOLUME+/- buttons to select the setting to be changed.

Press ENTER to cycle through each possible option or display a list of the options. When a list of options appears, press the VOLUME+/- buttons to move among the displayed options.

Press ENTER again to choose the option and change the setting.

SUBTITLE LANGUAGE SETTINGS

Using the VOLUME+/- buttons move to the SUBTIT LANG button and press ENTER. The player's Language settings will appear:
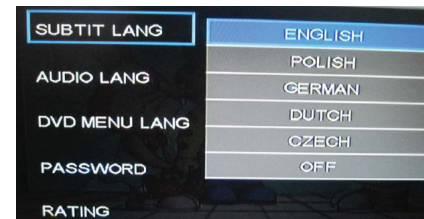
Selecting the subtitle setting allows the user to select a preferred subtitle language (DVD only)

ℹ *Some DVDs may be set to display subtitles in a different language than selected.*

iPOD & iPHONE OPERATION

SETTINGS MENU

PAUSE/PLAY BUTTON (1)

Press to pause playback. Press again to resume normal playback.

PREVIEW/INTRO BUTTON (2)

Press INT (2) button to play first ten seconds of each file and "INTRO ALL" will appear on the LCD.

Press INT (2) button again to exit this mode.

REPEAT PLAYBACK BUTTON (3)

Press RPT (3) button to repeat play the current song. The song will repeat until repeat play is disabled.

Press RPT (3) again to disable the repeat function.

RAMDOM PLAYBACK BUTTON (4)

Press RDM (4) button to enter shuffle play of all songs on the iPOD.

Press RDM (4) again to disable the random function.

IPOD/IPHONE VIDEO FILES

The AQ-DVD-4 unit can support iPod Video display output, however it is not able to select any VIDEO FILE or VIDEO ALBUM which is contained in the iPod Video.

The AQ-DVD-4 will only automatically select music album or file regardless the connected Video iPod last playing is a Video File or Album. If user wants to select and playback a video file on the iPod Video follow the steps below:

Press SEARCH (BAND) button to enter NAVI search files, press the VOLUME+/- buttons to select video file.

Press ENTER button to enter iPod Video files and the iPod now is controllable and the desire playback video file can be selected on the iPod/iPhone itself.

Once selected a video it will automatically display on the unit through the AQ-DVD-4 video output.

SETTINGS MENU FUNCTIONS

● VOL PGM: Programmable turn on volume
● LOC/DIST: Tuner seek mode
● STEREO/MONO: Tuner audio
● AREA: Tuner freq. Step spacing
● BEEP TONE: ON/OFF
● CONTRAST: Display
● DIMMER: High/Middle/Low
● LOW BATTERY: 10.5V low battery alert on/off
● RDS MENU: Tuner RDS mode

ACCESSING SETTINGS MENU

To access the SETTINGS menu press and hold the SETTINGS button more than 3 seconds.

SETTINGS menu list will be displayed for 5 seconds on the LCD. If no other buttons are pressed within the 5 second time-out the unit will exit the SETTINGS mode.

To navigate through the menu use VOLUME +/- buttons.

Press the ENTER button to select the item and enter into the sub menu.

To adjust the selected SETTINGS sub-menu item, press the VOLUME +/- buttons.

After the selected SETTINGS item has been changed press button to return to the previous item. If no other buttons are pressed within the 5 second time-out the unit will exit SETTINGS mode.

SETTINGS OPERATION

iPOD & iPHONE OPERATION

DESCRIPTION OF SETTINGS FUNCTIONS

VOL PGM
Allows volume level to be set when the unit is turned on. VOL PGM 20 is the default setting.
Press the VOLUME +/- buttons to set to the desired VOL PGM level.

If in normal operation the volume is set louder than the VOL PGM value, the unit will revert
back to the set VOL PGM level when the unit is next turned on. If in normal operation the
volume is set lower than the VOL PGM value, the unit will maintain this level when next
turned on. Maximum VOL PGM level is 23.

LOC/DIST
Press the VOLUME +/- buttons to select LOCAL or DISTANCE mode. This feature is used
to determine the strength of the signals at which the tuner will lock on to during automatic
tuning. DISTANCE is the default setting, allowing the radio to tune into a broader range of
signals. To set the unit to select only strong local stations press the volume+/- button until
LOCAL appears in the display.

STEREO/MONO
STEREO is the default setting. User now has 5 seconds to adjust it from STEREO to
MONO by using SETTINGS OPERATION VOLUME+/- key.

AREA
"USA" is the default setting. User now has 5 seconds to select "USA" to "EUROPE" by
pressing the VOLUME+/-.

BEEP TONE
ON is the default setting. User now has 5 seconds to adjust from ON to OFF by pressing
the VOLUME+/- buttons.

CONTRAST
CONTRAST 5 is the default setting. The user has 5 seconds to change it from 0-10 by
pressing the VOLUME+/- buttons.

DIMMER
The dimmer feature of the display is set to DIMMER HIGH by default. User can use the
VOLUME+/- buttons to adjust it to High, Middle or Low.

LOW BATTERY ALARM
LOW BATTERY OFF is the default setting. User now has 5 seconds to use the VOLUME+/-
buttons to adjust it from OFF to ON.

If LOW BATTERY ON is selected the alarm unit will sound a beep tone over the speaker
output. The visual warning "LOW BATT" message will be displayed on the LCD. If selected
LOW BATTERY OFF no alert will be sounded and the "LOW BATT" message will not be dis-
played when in low voltage state.

IPOD/IPHONE CHARGING

While connected to the unit the iPod/iPhone will automatically start re-charging,
so long as the AQ-DVD-4 has power ON.

DISPLAY IPOD/IPHONE INFO ON LCD

The AQ-DVD-4 unit can display the Song, Artist, Album name and elapsed time on the LCD
display during iPod/iPhone playback.

SEARCHING IPOD/IPHONE

In the iPod/iPhone playback mode press BAND 🔘 to enter into the iPod/iPhone NAVI
searching mode

Use the VOLUME+/- buttons to navigate and press the ENTER button to enter iPod/iPhone
search methods as below:

1) Playlists
2) Artists
3) Albums
4) Genres
5) Songs
6) Composers
7) Audiobooks
8) Podcasts

Once the desired searching method is highlighted, and within 20 seconds, press the
ENTER button to confirm and enter the chosen search mode.

Press the VOLUME+/- buttons to navigate through the Albums, Artists, Songs etc contained
in the iPod/iPhone.

Press the ENTER button to confirm and play the selected song

During the searching mode press BAND 🔘 to move back to the last upper level of Albums,
Playlists, Genres etc.

SKIP SONGS

Short press the TRACK UP 🔘 or TRACK DOWN 🔘 buttons to skip to the next or previ-
ous song on the iPod/iPhone.

FAST FORWARD / FAST REVERSE

Press and hold Press the TRACK UP 🔘 or TRACK DOWN 🔘 button for more than 2
seconds to fast forward or fast reverse through the song.

iPOD & iPHONE OPERATION

iPOD/ iPHONE COMPATIBILITY

● iPod 1G: Not Supported
● iPod 2G: Not Supported
● iPod 3G: Firmware Version2.2
● iPod Mini: All versions
● iPod 4G: All versions
● iPod Photo: All versions
● iPod Nano: All versions
● iPod 5G(Video): All versions
● iPhone: All versions
● iPhone 3G: All versions
● iPhone 3GS: All versions
● iPhone 4: All versions

The AQ-DVD-4 allows direct control of the IPOD from the front panel control buttons and will display IPOD song information on the unit's LCD display.

PLAYING & CONTROLLING iPOD/ iPHONE

SWITCH TO IPOD/IPHONE MODE

When the unit is powered ON and iPod/iPhone is connected to the 30 pin connector, press the MODE button to change to iPod/iPhone mode and the unit will display "IPOD" then "IPOD READING" shortly after. The music files contained in the iPod/iPhone will then automatically playback.

TURNING IPOD/IPHONE POWER ON/OFF

ℹ️ *The iPod/iPhone power turns on automatically as soon as it is connected to the 30 Pin connector and so long as the power is ON.*

The iPod/iPhone power can be turned OFF by removing the iPod from the 30 Pin Connector or if the AQ-DVD-4 is turned OFF. Under this condition the iPod/iPhone will initially go into pause mode and then into sleep mode approximately two minutes later.

ℹ️ *While the iPod/iPhone is connected the power can not be turned on/off from the iPod/iPhone itself.*

ℹ️ *When connected to the AQ-DVD-4 the iPod/iPhone will display the message shown below:*

√
Ok to connected

SETTINGS OPERATION - RDS MENU

RDS - TRAFFIC ALERT (TA)

TA SEEK is the default setting. User now has 5 seconds to select TA SEEK or TA ALARM by pressing the VOLUME+/- buttons

TA SEEK
When a newly tuned station does not receive TP information for several seconds, the radio retunes to next station which has not the same station (PI) as the last station, but has the TP information. When TP information gets lost at the current station for retune time which is set by RETUNE SHORT (30 sec.) or RETUNE LONG (90 sec.), the radio start to retune to next same PI station. When same PI station does not catch in 1 cyclic search, the radio retunes to next station with TP information.

TA ALARM
When this mode is selected any automatic retune mode is not activated. Only double beep sound (ALARM) is output.

When a newly tuned station does not have TP information for several seconds, beeps come out. When TP information gets lost at the current station for retune time, the beep sound is out-putted. When newly tuned station has not RDS signal PI SEEK is suppressed somewhat.

RDS - PROGRAMME IDENTIFICATION

PI MUTE is the default setting. User now has 5 seconds to select : PI MUTE to PI SOUND by pressing the VOLUME+/- buttons.

While AF switching is implemented in C201 station, AF can switch to 100MHz, which is non genuine AF (where, different PI with same AF) in short "DIP" with same AF) in short "DIP".

If a car cruises that critical area back and forth, an oscillation phenomenon can be occurred, because the different PI code can be received from 100 MHz with "XXX" PI.

The car radio has special procedure to reduce even this kind of unavoidable situation however there is a limit to be escaped from this serious case perfectly. In that serious case, 2 mode is selectable as follows:
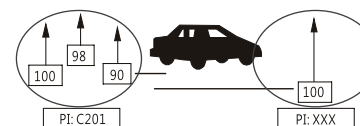
SETTINGS OPERATION - RDS MENU

PI SOUND
When above different PI sound (DIP) is heard once in a while, the DIP's sound will be heard for a short time.

PI MUTE
Under above same situation, a mute sound will be heard for a short time.

RDS - RETUNE

RETUNE SHORT is the default setting. User now has 5 seconds to select RETUNE SHORT or RETUNE LONG by pressing the VOLUME+/- buttons.
The initial time of automatic TA search or PI search modes is selected.

When PI information is not caught for retune time, the radio starts to retune to next same PI station. When same PI station does not catch 1 cyclic search, the radio goes to last station and waits for several minutes until PI code is received.

RETUNE L mode: Selected as 90 seconds.

RETUNE S mode: Selected as 30 seconds.

RDS - MASK

MASK DIP is the default setting. User now has 5 seconds to select MASK DIP to MASK ALL by pressing the VOLUME+/- buttons.

The AF frequency (which has different PI or NO RDS signal with high field strength) is masked during checking PI when the unit searches AF. The unit doesn't search this AF (DIP) for few minutes.

In the case of the AF of NO RDS signal with high field strength, if the real AF is wrongly masked as DIP by some interference, the unit hesitates to search real Afs. For this reason, the unit has the user option (MASK DPI) which doesn't mask the AF of NO RDS signal with high field strength.

In MASK DPI mode, the wrong sound or long mute (according to PI SOUND or PI MUTE) can be heard from the AF station which has NO RDS signal and of which the field strength is higher than that of the currently tuning AF (station). But, these phenomenons are rare and the user will hardly Europe.

USB OPERATION

PLAYING & CONTROLLING USB FILES

Connect the USB memory device to the USB connector of the unit and repeatly press the MODE button until "USB" is displayed on LCD. The unit can playback the MP3/WMA/JPEG/MPEG4 format which are stored into the USB memory device.

Once the unit reads the USB memory device successfully the first file on the USB memory device will start playback automatically.

NAVI SEARCH BUTTON

1. Press the SEARCH [BAND] button to display the USB folders on LCD.

2. Press VOLUME+/- buttons to navigate folders.

3. Press the ENTER button to enter the selected folder. A list of all files within the folder will be displayed on the LCD.

4. Press VOLUME+/- buttons to navigate to the desired file

5. Press ENTER button to play and the following picture will appear on the monitor.

USB FILE PLAYBACK & OPERATION

USB device playback and operation functions are the same as the operation of MP3/WMA. Please refer to page 23.

⚠ *If important files are stored on the USB device do not connect it to the AQ-DVD-4 unit to play as operation could result in file loss. Aquatic AV assumes no responsibility for any loss of data.*

DVD OPERATION

DVD AUDIO BUTTON 6

Long press DVD AUDIO 6 button during DVD playback to change the audio language. The OSD (On Screen Display) indicates the current setting by giving the audio track number, language, audio type, and number of channels. For example:

AUDIO Language:1 CHINESE_5.1CH

The first press of DVD AUDIO 6 will display the current selected language. Subsequent presses cycle to the next audio language.

Some OSDs allow audio selection change only via the disc menu.

When a new disc is inserted into the unit the default setting will be enabled.

ON SCREEN DISPLAY (OSD) BUTTON (AS/PS)

Short press OSD (AS/PS) to display the time elapsed, the disc type, current chapter (DVD) and total number of chapters or tracks. Also displayed (for DVD only) is the current title and total number of titles. For example, the OSD may display:

DVD	T:01/25 C:001/021	00:02:12

The OSD (AS/PS) in MPEG4 file will display the file name, MPEG4 version, file size and frame rate.

SET UP BUTTON (AS/PS)

When the DVD disc is being played or under stop mode the SET UP (AS/PS) button on the control panel provides the following function:

Long press SET UP (AS/PS) button to bring up the system Setup Menu.

Please refer to the related description in (PAGE 31) for detailed operation of SET UP.

After pressing the SET UP (AS/PS) button the LCD will display "SET UP".

Use Track Up/Down (►►) / (◄◄) buttons to navigate cursor Left/Right through the SET UP items shown on the monitor.

Use Volume+/- buttons to navigate cursor through the SET UP items shown on the monitor.

Press ENTER button to confirm the item selected on the Monitor.

Short press SET UP (AS/PS) or PLAY 1 button to resume the DVD playback.

SETTINGS OPERATION - RDS MENU

MASK DPI
Masked only the AF which has different PI.

MASK ALL
Masked the AF which has different PI and NO RDS signal with high field strength. hear the wrong sound in whole

RDS - EON TA

EON TA LOCAL is the default setting. User now has 5 seconds to select EON TA LOCAL to EON TA DISTANCE by pressing the VOLUME+/-.

EON TA LOCAL
When the filed strength level of EON linked is less than threshold level, the radio does not switch that station, and a customer can hardly listen to any disturbances.
When EON TA LOCAL mode is selected, "EON TA LO" on numeric display is indicated for a few seconds.

EON TA DISTANCE
EON TA switch is tried to implemented by the information of current station.
When EON TA DISTANCE mode is selected, "EON TA DX" on numeric display is indicated for a few seconds.
The RDS data used are the PI, PS, AF, TP, TA, EON and PTY data.

RDS - TA VOL

TA VOL 10 is the default setting. User now has 5 seconds to change it from 0-50 by pressing the VOLUME+/- buttons.

RDS - REGION

REGION OFF is the default setting. User now has 5 seconds to select REGION OFF to REGION ON by press the VOLUME+/- buttons.

Some broadcasting stations change their program from normal broadcasting to regional broadcasting for a certain time period. When in REGION ON mode the current listening program remains unchanged. When in REGION OFF mode it allows the reception moves to the regional station.

AUDIO MENU

AUDIO MENU

Short press AUDIO button to access the audio menu. User can navigate through the audio menu items by pressing the VOLUME+/- button repeatedly. Once the desired menu item appears on the display, press the ENTER button to select the menu item to be adjusted and adjust using the VOLUME+/- buttons within 5 seconds. Press 🔘 button to return to the upper menu item.

BASS
User has 5 seconds to use the VOLUME+/- buttons to adjust the desired bass level range from -10 to +10.

TREBLE
User has 5 seconds to use the VOLUME+/- buttons to adjust the desired treble level range from -10 to +10.

BALANCE
User has 5 seconds to use the VOLUME+/- buttons to adjust the Balance between the right and left speakers from 10R (full right) to 10L (full left). L=R represents equal balance between the right and left speakers.

FADER
User has 5 seconds to use the VOLUME+/- button to adjust the Fader between the front and rear speakers from 10R (full rear) to 10F (full front). "F=R" represents equal balance between the front and rear speakers.

SUBWOOFER MENU

SUB-W ON/OFF
Subwoofer off is the default setting. User now has 5 seconds to select OFF to ON by pressing the VOLUME+/- buttons.

SUBWOOFER FREQUENCY
User has 5 seconds to use the VOLUME+/- buttons to select the three different Low pass filters (80Hz,120Hz or 160Hz).

ℹ️ The Sub-woofer LPF control is only applicable if the unit is equipped with the optional sub-woofer line out, and only if the unit is connected to an optional sub-woofer amp and speaker.

SUBWOOFER VOLUME LEVEL
User has 5 seconds to use the volume up or down button to adjust the Sub-woofer volume level from "00" to "50"

EQUALIZER MENU

User has 5 seconds to use VOLUME+/- to select desired audio mode. There are five modes: OFF→FLAT→ROCK→POP→CLASSIC

DVD OPERATION

PLAYING & CONTROLLING DVDs

ℹ️ DVD operation will require an external monitor (not supplied) to be connected to the AQ-DVD-4 unit (see page 8).

Insert a DVD disc into the unit and playback will automatically start from the beginning of the disc. The DVD MENU (ROOT or TITLE) of the DVD disc will appear on the monitor and ROOT will be displayed on the LCD of the AQ-DVD-4.

DVD MENU BUTTON ④

Press DVD MENU ④ button for less than 3 seconds to enter the DVD MENU or ROOT of the DVD disc.

Use TRACK DOWN/UP 🔘 / 🔘 as left/right navigation direction button. Use VOLUME+/- buttons as up/down direction button. Use ENTER as OK button.

PAUSE/PLAY BUTTON ①

Press to pause playback. Press again to resume normal playback.

PREVIEW/INTRO BUTTON ②

Press INT ② button to play first ten seconds of each file in the current folder and "INTRO DIR" will appear on the LCD.

Press INTRO ② button for second time to play first ten seconds of each file in all folders. "INTRO ALL" will appear on LCD.

Press INTRO ② button for a third time to exit this mode.

FAST FORWARD & FAST BACKWARD 🔘 & 🔘

Long press FAST FORWARD 🔘 to fast forward through the disc. Each time the button is pressed a new speed (2X, 4X, 8X or 20X) is selected. Press PLAY ① to resume normal playback.

Long press FAST REVERSE 🔘 to fast reverse through the disc. Each time the button is pressed a new speed (2X, 4X, 8X or 20X) is selected. Press PLAY ① to resume normal playback.

REPEAT PLAYBACK BUTTON ③

Short press RPT ③ button to repeat the current song. The song will repeat until repeat play is disabled.

Press RPT ③ button again to disable current song repeat play.

MP3/WMA OPERATION

DUAL ZONE OPERATION

RANDOM PLAYBACK BUTTON 4

Press RDM 4 button to active shuffle playback function and all songs on the USB will be played in random mode.

Press RDM 4 a second time to active the RANDOM DIR function. All the songs in the current folder will be played in random mode.

Press RDM 4 a third time to disable random playback.

SELECTING DIRECT UP/DOWN

Press DIR- 5 or DIR+ 6 button to select previous or next folder.

MP3/WMA OPERATION - MONITOR

When a MP3/WMA disc is inserted into the player and the following picture will appear on the monitor.

NAVI SEARCH BUTTONS

When playing MP3/WMA discs press SEARCH button to enter NAVI SEARCH.

Press the VOLUME+/- buttons to select MUSIC or PHOTO files and press ENTER to play.

NAVI SEARCH

Press SEARCH button to view MP3/WMA folders on LCD.

Press VOLUME+/- buttons to select a folder and press ENTER button to enter this folder. It will list all files of the folder on LCD.

Press VOLUME+/- buttons to select a file and press ENTER button to play. The following picture will appear if using an external monitor.

The unit can be connected to a portable audio player through the AV IN cable on the back of the unit. You can press MODE button to change the mode to AV IN mode.

The unit is equipped with Dual Zone operation. This function is used to select a different audio output source for Front (Zone 1) and Rear (Zone 2) speakers. The details of Dual Zone operation are as follows:

DUAL ZONE - ON/OFF

OFF is the default setting. Press the 2-ZONE button on the control panel and press the VOLUME+/- button to select between Dual Zone ON or OFF then press ENTER to confirm the selection. The "2-ZONE" icon will appear on the LCD after Dual Zone is selected ON.

DUAL ZONE - ZONE OPERATION

Once Dual Zone ON is selected short press the 2 ZONE button repeatedly to change between the Zone 1(Front) and Zone 2(Rear) sources.

If Front Zone (Zone 1) is selected the user has 10 seconds to navigate through the different modes (Radio > Disc > USB > iPOD > AV IN) by using the VOLUME+/- buttons.

Press ENTER button to confirm selection for Front speaker audio output.

If Rear Zone (Zone 2) is selected, user has 10 seconds to navigate through different modes (Radio > Disc > USB > iPOD > AV IN) by using the VOLUME+/- buttons.

Press ENTER button to confirm selection for Rear speaker audio output.

If no selection is made within 5 seconds the unit will resume to the previous mode.

OPERATE FUNCTION OF ZONE 1 / ZONE 2

When 2-ZONE is turned ON the MODE button is used to change between Zone 1 & Zone 2 sources.

Press MODE button repeatedly to change between Zone 1 and Zone 2 modes.

DEFAULT SETTING WHEN ZONE 2 IS ON

The default source/mode for Zone 1 is Radio & Zone 2 is Radio

The default volume level is 20 for both Zone 1 & Zone 2 audio outputs (or the volume level set as VOL PGM level set in the Settings Menu detailed on page 11).

TUNER OPERATION

MP3/WMA OPERATION

FM BAND OPERATION

Press BAND to change between FM bands and AM (MW) bands. The reception band will change in the following order:

FM1--FM2--FM3--AM1(MW1) --AM2(MW2)

TUNING UP / DOWN

MANUAL TUNING
Press and hold the TUNING up or TUNING down button for more than 3 seconds to active the manual tuning mode. The radio frequency will tune up or down rapidly and will stop when you released the button. If buttons have not been pressed for 5 seconds, it will return to Auto Seek tuning mode

AUTO SEEK TUNING
Short press the TUNING up or down buttons to seek the next station automatically.

USING & STORING PRESET STATIONS

Six numbered buttons store and recall stations for each band

AUTO STORE (AS)
Select a band (if needed). Press and hold AS/PS button for 3 seconds. It will select 6 strong stations and store them in the current band automatically.

PRESET SCAN (PS)
Scan stations stored in the current band. Select a band (if needed). Short press AS/PS button. The unit will scan and listen to each preset station for 5 seconds.

Press AS/PS button again to stop scanning when the desired station is found.

STEREO / MONO TUNER OPERATION

STEREO
The unit will automatically pick up a stereo signal when available. When in stereo mode, the "ST" icon appears on the LCD. When no stereo signal is available the unit will automatically revert to mono operation and "ST" icon will not be displayed.

MONO
When you select the MONO mode the unit will output MONO a signal.

Select MONO mode to reduce noise if the radio signal is weak.

PLAYING & CONTROLLING MP3/WMA FILES

TRACK SELECT or

The player plays the first track automatically. When the track is finished the second track will begin playing and the displayed track number will be updated.

Press the TRACK UP or TRACK DOWN button for less than one second to skip to the next or previous track on the CD. The selected track number will appear on the display. Press and hold Press the TRACK UP or TRACK DOWN button for 2 seconds to fast forward or fast reverse through the disc.

PAUSE/PLAY BUTTON 1

Press to pause playback. Press again to resume normal playback.

FAST FORWARD & FAST REVERSE or

Press FAST FORWARD to fast forward through the disc. Each time the button is pressed a new speed (2X,4X,8X or 20X) is selected.

Press PLAY 1 to resume normal playback.

Press FAST REVERSE to fast reverse through the disc. Each time the button is pressed a new speed(2X,4X,8X or 20X) is selected.

Press PLAY 1 to resume normal playback.

REPEAT PLAYBACK BUTTON 3

Press RPT 3 button to active the repeat function. The current song will be repeatly played.

Press RPT 3 again to active the REPEAT DIR function. All files in the current folder will be played repeatly.

Press RPT 3 a third time to disable the repeat function.

PREVIEW/INTRO BUTTON 2

Short press INT 2 button to play first ten seconds of each file in the current folder and "INTRO DIR" will appear on the LCD.

Press INT 2 button for a second time to play first ten seconds of each file and "INTRO ALL" will appear on the LCD.

Press INT 2 button for a third time to exit intro mode.

CD OPERATION

PREVIEW/INTRO BUTTON ②

Press INT ② button to play first ten seconds of each track. "INTRO ALL" will appear on the LCD.

Press INT ② again to stop intro and listen to the track and "INTRO ALL" will no longer be displayed.

RANDOM PLAYBACK BUTTON ④

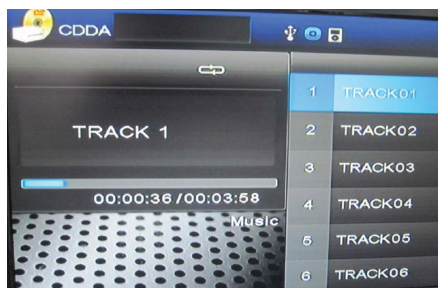Short press RDM ④ button to active the random playback function

Press RDM ④ again to disable the random playback function.

SELECTING DIRECT UP / DOWN

Press DIR- ⑤ or DIR+ ⑥ button to select up ten songs or down ten songs.

CD OPERATION WITH MONITOR

When audio CD is inserted into the player and the following picture will appear on the monitor.

TUNER OPERATION

RDS FUNCTION

AF BUTTON (AUDIO)
ON is the default setting for AF mode. "AF" icon is displayed on the LCD. AF search is activated when reception is bad.

Press the AF button for more than 3 seconds to turn OFF AF mode and the "AF" icon will disappear.

TA BUTTON (ZONE)
Press and hold the TA button for more than 3 seconds to turn on TA mode. The "TA" icon appears on the LCD. Press the TA button again to turn off TA mode. "TA" icon will disappear on the LCD.

When traffic announcement is transmitted, regardless of the mode, traffic announcement is received.

When TA is on SEEK, SCAN, AUTO MEMORY functions can be received or saved only when traffic program identification code has been received.

When TA is ON traffic program identification code is not received during specified time. TA ALARM : NO TA / TP is displayed and alarm is set off. TA SEEK : TA SEEK is activated.

PTY BUTTON (PTY)
PTY is displayed when PTY button is pressed. If there are no keys pressed for 5 seconds, previously selected PTY is searched. During 1 LOOP, i desired PTY is not found, NO PTY

SPEECH & MUSIC PROGRAM TYPES

Press PTY button (PTY) and "PTY MUSIC" will be displayed for 5 seconds

Press ENTER to access the PTY MUSIC program menu and use VOLUME+/- buttons to cycle through the different program types as detailed below.

Press ENTER button to select the desired music type.

● POP MUSIC
● ROCK MUSIC EASY LISTENING
● LIGHT CLASSICS M
● SERIOUS CLASSICS
● OTHER MUSIC
● JAZZ MUSIC
● COUNTRY MUSIC
● NATIONAL MUSIC
● OLDIES MUSIC
● FOLK MUSIC

TUNER OPERATION

CD OPERATION

Press PTY button then press the VOLUME+/- buttons to navigate to PTY SPEECH and "PTY SPEECH" will be displayed for 5 seconds

Press ENTER button to access the PTY SPEECH program menu and use VOLUME+/- buttons to navigate the desired program types detailed below.

Press ENTER button to select the desired speech type.

● NEWS
● CURRENT AFFAIRS
● INFORMATION
● SPORT
● EDUCATION
● DRAMA
● CULTURES
● SCIENCE
● VARIED
● WEATHER
● FINANCE
● CHILDREN'S PROGS
● SOCIAL AFFAIRS
● RELIGION
● PHONE IN
● TRAVEL & TOURING
● LEISURE & HOBBY
● DOCUMENTARY

GENERAL TUNER OPERATION

AF: Alternative Frequencies
Frequency list of broadcasting stations transmitting the same program

TP: Traffic Program Identification
Identification data for traffic information-broadcasting station

TA: Traffic Announcement Identification
Identification data showing traffic information is being transmitted or not

PTY: Program Type Code
Contents of programs such as news, light music, sports etc

PLAYING & CONTROLLING CDs

PLAY/PAUSE BUTTON 1

Press to pause playback.

Press again to resume the playback.

FAST FORWARD & FAST REVERSE or

Press and hold FAST FORWARD for 3 seconds to fast forward through the disc. Each time the button is pressed a new speed (2X, 4X, 8X or 20X) is selected.

Press PLAY 1 to resume normal playback.

Press and hold FAST REVERSE for 3 seconds to fast reverse through the disc. Each time the button is pressed a new speed (2X, 4X, 8X or 20X) is selected.

Press PLAY 1 to resume normal playback.

TRACK SELECT or

Short press the TRACK UP or TRACK DOWN button to skip to the next or previous track on the CD, The selected track number will appear on the display.

Press and hold Press the TRACK UP or TRACK DOWN button for more than 2 second to fast forward or fast reverse through the disc. CD play starts when the button is released.

REPEAT BUTTON 3

Short press RPT 3 button to active the repeat function. It will play the current song repeatly.

Press RPT 3 again to disable the repeat function.

ENTER BUTTON

Use this button to confirm selections.

SEARCH (BAND/SEARCH)

When playback VCD disc, Press this button to select PBC on/off.

When playback CDDA/DVD disc, press this button no function.