

# CONCERTONE®

## OPERATING INSTRUCTIONS



### **ZX500**

DVD/CD/MP3/TV/AM/FM/WEATHER BAND  
HIGH POWER DIGITAL SURROUND SOUND  
ENTERTAINMENT SYSTEM

## Table of Contents

Brief Introduction of this Unit . . . . .	Page 02
Front Panel . . . . .	Page 04
Remote Control . . . . .	Page 06
Basic Control of all Functions . . . . .	Page 09
Multi-Media Disc Player . . . . .	Page 10
Glossary . . . . .	Page 11
How to Operate System Setup . . . . .	Page 12
General Setup . . . . .	Page 13
Preference Page . . . . .	Page 14
Television Reception . . . . .	Page 15
AM FM Reception . . . . .	Page 16
Connecting the Unit . . . . .	Page 18
Specifications . . . . .	Page 19
Warnings and Precautions . . . . .	Page 20
Warranty . . . . .	Page 21
Wall Plates . . . . .	Page 22

## Brief Introduction of this Unit

This unit is microprocessor controlled and features a number of sophisticated functions ensuring superior performance and operation. All the functions will be thoroughly explained in the following sections of this manual to help you have an overall and basic understanding of the different features, functions and operations of this unit.

### Multi-Media Disc Player

This unit is compatible with AC-3 2 channel, AC-3 5.1channel DVD Dolby 5.1, CD, MP3 and WMA disc with diameter of 5" 12cm.

### Built-In TV Tuner

With the built-in analog TV and cable TV Tuners, this unit can receive TV programs being broadcasted by air or from a cable source. A TV antenna is required for proper air TV reception.

### Built-In AM/FM Tuner

The FM frequency range of this unit is from 87.9MHz to 107.9MHz; (27 preset stations) The AM frequency range of this unit is from 530 KHz to 1,710 KHz. (9 preset stations)

### Built-In Weather Band Tuner

This unit can receive the latest weather forecasting reports that are broadcast on 7 different frequencies. The unit will always auto seek the strongest signal. Each of the 7 different frequencies can be selected manually with the radio preset pushbuttons.

### Three Audio and Video Outputs

This feature allows you to watch movies or TV programs in three separate rooms at the same time. This unit supplies HI-FI class high power audio outputs to three different rooms through 10 built-in digital amplifiers.

### The Main Room A

This is Bi-amplified with a separate subwoofer that supplies 5.1channel surround sound when the unit is playing AC-3 or Dolby 5.1channel DVD disc; otherwise, it supplies 4.1channel sound when the unit is playing AC-3 2channel DVD disc, CD, MP3 and WMA disc, AM, FM, Weather Band, TV and other 2channel audio sources; Rooms B and C, always play full-range-response 2channel audio outputs.

### Two Inputs (1 Audio Video and 1 Audio)

This unit has one AV-IN (INPUT1) and one AUDIO-IN (INPUT2) to allow users to enjoy Audio and Video entertainment from other AV sources such as Satellite Radio, iPod Video, Video Tape Player, Video Game Player, etc. These sources must be connected through the two inputs on the back of the unit or through additional accessory wall plates.

**Separate Speaker On-Off Control for Each Room**

Separate front panel and remote control buttons are provided to turn on or off the [A], [B], and [C] rooms separately. The audio in any room can be turned On or Off separately by pushing the [A], [B], or [C] buttons.

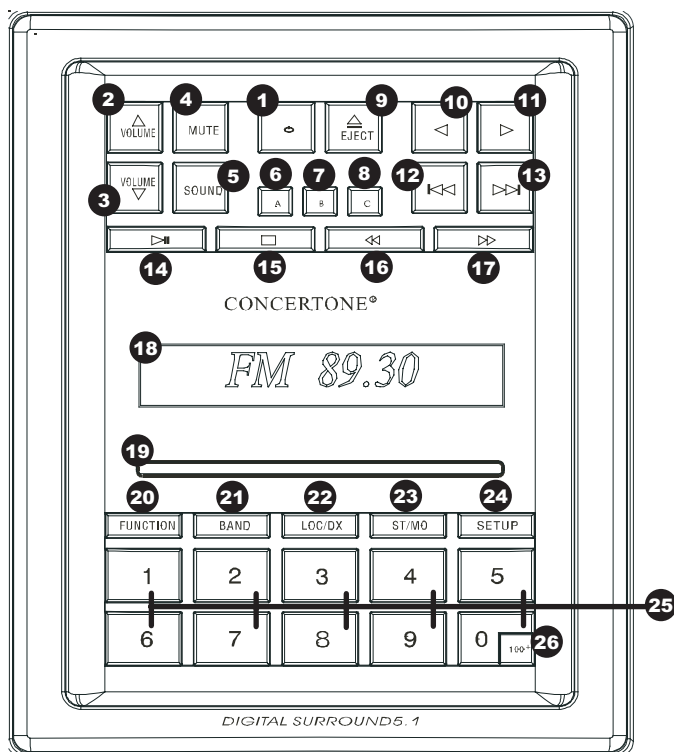
**Sound Equalization Control**

To control the Bass, Treble, or Balance push the [SOUND] button. You will find a sub-menu to adjust the equalization or balance. To adjust press the [SOUND] button and you will be able to adjust what is shown on the digital display. BASS will appear first after volume, then TREBLE then BALANCE.

Use the [ VOLUME ▲] up or [VOLUME ▼] down to raise or lower the BASS and TREBLE or the left to right BALANCE.

## Front Panel

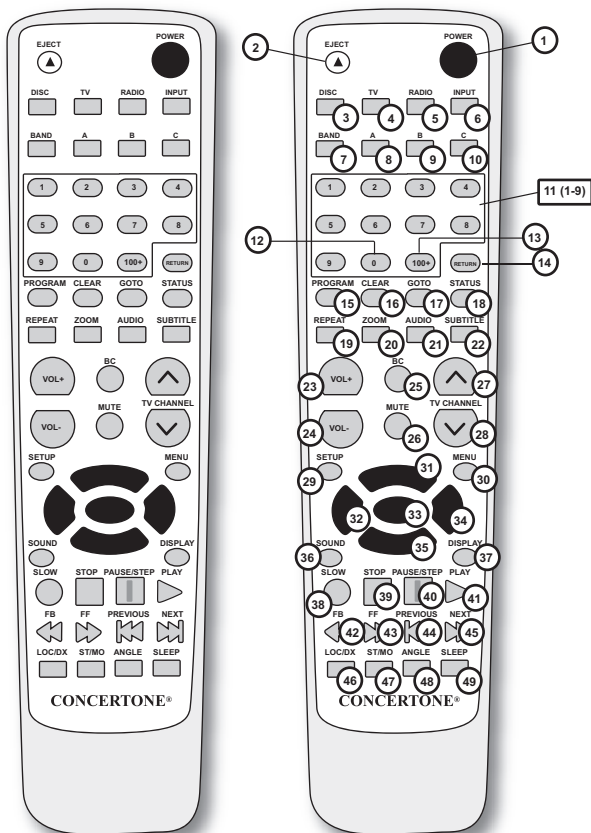
- |                   |  |
|-------------------|--|
| 1. POWER          | Press to turn on or off the unit                       |
| 2. VOLUME UP ▲    | Press to increase the volume for all 3 rooms           |
| 3. VOLUME DOWN ▼  | Press to decrease the volume for all 3 rooms           |
| 4. MUTE           | Press to mute all the audio outputs of all three rooms |
| 5. SOUND          | Press to select BASS, TREBLE and BALANCE               |
| 6. A              | Press to turn on or off the audio output in Room A     |
| 7. B              | Press to turn on or off the audio output in Room B     |
| 8. C              | Press to turn on or off the audio output in Room C     |
| 9. EJECT          | Press to eject disc from the unit                      |
| 10. Disc Player ◀ | Moves the cursor to upper-menu at left side            |
| Radio             | One minimum step lower frequency                       |
| TV                | One channel down                                       |



- |                                    |   |
|------------------------------------|---|
| 11. Disc Player ►<br>Radio<br>TV   | Moves the cursor to sub-menu at right side<br>One minimum step higher frequency<br>One channel up                                   |
| 12. Disc Player  ◀◀<br>Radio<br>TV | Select previous track or chapter of the disc<br>Seek one available station at lower frequency<br>Move to one available channel down |
| 13. Disc Player ►► <br>Radio<br>TV | Select next track or chapter of the disc<br>Seek one available station at higher frequency<br>Move to one available channel up      |
| 14. Play ►                         | Press to start to play disc or pause playback of disc<br>Fast Key to start Disc Player function                                     |
| 15. Stop ■                         | Press to stop playback of disc and press [►  ] to continue the playback   |
| 16. Disc Player ◀◀<br>Radio<br>TV  | Select different levels of Fast Reverse<br>Auto Seek through all frequencies lower<br>Auto Seek through all channels lower          |
| 17. Disc Player ►►<br>Radio<br>TV  | Select different levels of Fast Forward<br>Auto Scan through all frequencies higher<br>Auto Seek through all channels higher        |
| 18. DIGITAL DISPLAY                | Show status of the unit for all functions   |
| 19. DISC OPENING                   | Slot for loading or removing disc from the unit   |
| 20. FUNCTION                       | Press to switch between main functions DISC, TV, RADIO, INPUT 1 or INPUT 2  |
| 21. BAND                           | Press to switch between FM1, FM2, FM3, AM or Weather Band<br>Fast Key to select Radio function                                      |
| 22. LOC/DX                         | Press to select in Radio Local or Distance  |
| 23. ST/MO                          | Press to select in FM Radio Stereo or Mono  |
| 24. SETUP                          | Press to select TV or DVD Setup Menu  |
| 25. 0-9 NUMBERS                    | Press to choose preset station numbers of Radio, TV channels or tracks of Discs   |
| 26. 100+                           | Press to to choose numbers larger than 100 to select TV channels or file number of MP3 disc   |

## Remote Control

- |                 |  |
|-----------------|--|
| 1. POWER        | Press to turn on or off the unit                               |
| 2. EJECT        | Press to eject disc from the unit                              |
| 3. DISC         | Press to select Disc Player                                    |
| 4. TV           | Press to select TV Receiver                                    |
| 5. RADIO        | Press to select Radio Receiver                                 |
| 6. INPUT        | Press to select INPUT 1 or INPUT 2                             |
| 7. BAND         | Press to select between FM1, FM2, FM3, AM or Weather Band      |
| 8. A            | Press to turn on or off the audio output in Room A             |
| 9. B            | Press to turn on or off the audio output in Room B             |
| 10. C           | Press to turn on or off the audio output in Room C             |
| 11. 1-9 NUMBERS |  |
|                 | Radio Function Press to recall a preset stations               |
|                 | Disc Player Press to select one track, file or chapter of disc |
|                 | TV Reception Press to select one TV channel                    |



- |                     |  |
|---------------------|--|
| 12. 0               | Working together with numbers 1-9 to select TV channel, or track, file or chapter of disc  |
| 13. 100+            | Working together with numbers 0-9 to select TV channel, file of MP3 or WMA disc<br>Note: When the unit is in Radio mode, pressing and holding this button will reset the unit back to Factory default. |
| 14. RETURN          | Press to return to the previous TV channel   |
| 15. PROGRAM         | Press to program play tracks or chapters of a disc in the desired order  |
| 16. CLEAR           | Press to cancel the programmed playing order of one disc   |
| 17. GO TO           | Press to play the disc from the point requested  |
| 18. STATUS          | Press to view the status of Disc Playing   |
| 19. REPEAT          | Press to select to play a single track or file of a disc, repeating the entire disc, or release the unit from the Repeat Play function   |
| 20. ZOOM            | Press to enlarge or shrink viewing picture of DVD disc with different ratios as 1X, 2X, 3X, 4X, 1/2X, 1/3X, 1/4X, 1X   |
| 21. AUDIO           | Press to select different surround modes and languages when this feature is available.   |
| 22. SUBTITLE        | Press to select different language subtitles of a DVD disc   |
| 23. VOL + ▲         | Press to increase audio output level of all rooms.   |
| 24. VOL - ▼         | Press to decrease audio output level of all rooms.   |
| 25. [B C]           | Press "Beginning Control" to return to the factory default settings  |
| 26. MUTE            | Press to mute the audio outputs of all the rooms   |
| 27. TV CHANNEL UP   | Press to skip to the next available higher channel after auto seek is set  |
| 28. TV CHANNEL DOWN | Press to skip to the next available lower channel after auto seek is set   |
| 29. SETUP           | Press to select TV or DVD SETUP MENU   |
| 30. MENU            | Press to select the upper menu of a DVD disc   |
| CLUSTER BUTTONS     |  |
| 31. DISC Player     | Press to move the yellow cursor up   |
| 32. DISC Player     | Press to move the yellow cursor to left  |
| TV SETUP MENU       | Press to make selections of sub-menus  |
| TV Reception        | One channel down   |
| Radio Reception     | One minimum step down of frequency   |
| 33. ENTER           | DISC Player Press to confirm selection   |
| 34. DISC Player     | Press to move the yellow cursor to right side  |
| TV SETUP MENU       | Press to make selections of sub-menus  |
| TV Reception        | One channel up   |
| Radio Reception     | One minimum step up of frequency   |
| 35. DISC Player     | Press to move the yellow cursor down   |



36. SOUND Press to select sub-menu for sound control level for BASS, TREBLE or BALANCE:  
VOLUME for 40 steps of control for all rooms  
BASS for 14 levels of bass output control for all rooms  
TREBLE for 14 levels of treble output control for all rooms  
BAL for 14 levels of left-right balance control for all the rooms
37. DISPLAY Press to see the time left or time played of a single chapter or song or the full length of a DVD or CD.
38. SLOW ● Press to play a DVD or CD disc at different levels of Slow Forward or Slow Reverse.
39. STOP ■ Press to stop playback of a disc and press [▶] to continue the playback
40. PAUSE/STEP || Press to hold the playback of a disc. Press again to play and advance the picture of the DVD disc step by step
41. PLAY ▶ Press to start playback of a disc
42. FAST REVERSE ◀◀  
Disc Player Press to select different levels of Fast Reverse  
Radio Auto Seek through all ranges of lower frequency  
TV Auto Seek through lower TV channels
43. FAST FORWARD ▶▶  
Disc Player Press to select different levels of Fast Forward  
Radio Auto seek through all ranges of higher frequency  
TV Auto Seek through upper TV channels
44. PREVIOUS |◀◀  
Disc Player Press to select previous track or chapter of the disc  
Radio Seek one available station at lower frequency  
TV Move to one available lower channel
45. NEXT ▶▶|  
Disc Player Press to select next track or chapter of the disc  
Radio Seek next available station at higher frequency  
TV Move to next higher available channel
46. LOC/DX Press to select Radio sensitivity for Local or Distance
47. ST/MO Press to select FM Radio mode for Stereo or Mono
48. ANGLE Press to select multi-viewing angles of one DVD disc when available
49. SLEEP Press to select the Timing Preset to turn off the unit automatically with options at 10, 20, 30, 40, 50, 60, 70, 80 and 0 minutes

## Basic Control of All Functions

### Changing Functions

When the unit is turned on, pressing the [FUNCTION] button on the front panel will switch the unit between the main functions as follows:

DISC, TV, RADIO, INPUT 1, INPUT 2

DISC for Disc Playing DVD, CD WMA or MP3 disc

TV for reception of TV programs

RADIO for reception of AM, FM or Weather radio programs

INPUT 1 for playback of AV programs

INPUT 2 for playback of audio programs

Or, with remote control: (Fast Keys)

Press [DISC] button to switch directly into Disc Player function;

Press [TV] button to switch directly into TV reception function;

Press [RADIO] button to switch directly into Radio reception function;

Press [INPUT] button to select [INPUT 1] or [INPUT 2] function.

### Additional Fast or “Hot” Keys

[BAND] is the fast key for Radio function;

[▶||] is the fast key for Disc Player function;

The digital readout on the display will show the current function selected

### A Fast Way to Play a Disc

No matter which function is playing, when a disc is inserted into the unit, it will switch directly into Disc Player function.

### To Eject Disc From Unit

Regardless of what function is playing, pressing the [EJECT] on the front panel or the remote buttons will eject the current disc without changing the function.

## Multi Media Disc Player

### Common Controls for DVD, CD, WMA and MP3 Disc

#### To Load and Eject a Disc

When the unit is in Disc Player mode, if the [EJECT] button on the front panel or the remote control is pushed, the unit will stop playing and eject the disc. The unit will keep the disc in the slot with [EJECT] showing on the Digital Display. If there is no disc inside the unit, a disc placed in the slot will be taken inside automatically with [LOADING] showing on the Digital Display.

REMARK: When unit ejects the disc and the disc isn't removed after 1 minute, the unit will automatically reload the disc. This feature protects the disc from being dropped and damaged.

#### Play/Pause ►||

Normally, when the unit takes a disc in with no Playback Control, The unit will play the disc from the beginning. When a Playback Control exists, the user needs to push the [►||] button to start to play the disc. If the user pushes this button again, the unit will pause the playing of this disc. To release the Pause, push this button again, and play will continue.

#### Stop ■

When the unit is playing, push the [■] button to stop playing the disc. To continue from the point where play was stopped, push the [►||] button. If the [►||] button is pushed twice, the disc will start to play from the beginning.

#### Fast Forward ►► / Fast Reverse ◀◀

Regardless of whether you use Fast Forward or Fast Reverse, there are 6 different speeds to select from: 1X, 2X, 4X, 8X, 16X, 32X. To select a normal speed, push the [►] button. The unit will immediately play the disc at a normal speed.

#### Previous |◀◀/Next ►►|

Pushing the [|◀◀] button, the unit will play the disc from the beginning of the previous chapter or track;

Pushing the [►►|] button, the unit will play the disc from the beginning of the next chapter or track.

#### Repeat

The [REPEAT] button on the remote control offers three options:

1. Push the button once, and the unit will play the current chapter or track continuously.
2. Push the button again, and the unit will play the whole disc from the beginning to the end continuously.
3. Pushing the button for the third time, the unit will play the disc till the end.

#### How to Use the Cluster Buttons and Enter on the Remote Control.

▲/UP	Push to move the yellow cursor up
▼/DOWN	Push to move the yellow cursor down
◀/LEFT	Push to move the yellow cursor to left
►/RIGHT	Push to move the yellow cursor to right
Enter	Push to confirm the selection of menu or sub-menu

## Glossary

**Aspect Ratio**

This is the width-to-height ratio on the monitor screen. A normal display has an aspect ratio of 4:3. Wide-screen displays has an aspect ratio of 16:9

**Title**

DVD disc has a high data capacity, enabling recording of multiple movies on a single disc. If, for example, one disc contains two separate movies, they are divided into Title 1 and Title 2. This lets you enjoy the convenience of title search and other functions.

**Chapter**

DVD titles are, in turn, divided into chapters that are numbered in the same way as the chapters of a book. With DVDs featuring chapters, you can quickly find a desired scene with chapter search.

**Multi-Angle**

Some DVD discs are recorded with scenes shot from multiple angle, this function allows you to choose your favorite viewing angle to display.

**Multi-Audio (Multilingual Dialog)**

Some DVD discs are recorded with dialogue in multiple languages. Up to 8 languages can be recorded on a single disc, and this function allows you to choose a desired language.

**OSD**

On-Screen-Display

**Normal / PS**

This Pan and Scan image is when a normal 4:3 image is shown on a 16:9 screen with bars on either side of the image. The image was converted from 16:9 to 4:3 for viewing on a 4:3 screen

**Normal / LB**

This Letter Box image is shown on a 4:3 screen with lines above and below the image. The image was not changed for 4:3 viewing.

**Angle Mark**

This is when there is more than one camera used for a scene. The angle mark allows you to select between cameras when this feature is available.

## How to Operate System Setup

Press the [SETUP] button on the unit or remote control when the unit is in the Disc Player mode. The screen will display the System Setting Menu.

There are five menus on the System Setting Menu.

The [General Setup Page] will be the first to be displayed on the screen. Press [▲] or [▼] to navigate in the five root menus as:

**General Setup Page**

**Audio Setup Page**

**Video Quality Setup**

**Preference Page**

**Password Setup Page**

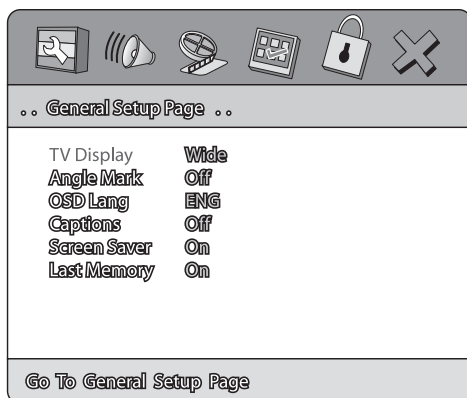
**Exit Setup Menu**

Once the desired root menu is found, press [ENTER] on remote to confirm the selection of this menu. The cursor, a light yellow bar, will cover the first sub-menu under the selected **root menu**.

If there is more than one **sub-menu** under the root menu, then press [◀] or [▶] to navigate in the sub-menus.

After selecting the desired sub-menu, press [ENTER] to confirm the selection, or press [◀] to escape from sub-menu.

Under the selected sub-menu, there are several **Options** from which to choose: Press [◀] or [▶] to navigate to desired option and press [ENTER] to confirm choice. Press [▼] to move from Options to Sub-menu, press again to return to Root Menu.



## General Setup Page

**TV Display** -- Video format of a disc could be recorded in two different aspect ratios: 4:3 or 16:9. Under TV Display sub-menu, there are three options to choose from to display the picture for your personal preference:

**Normal/PS** -- Displays the video picture in 4:3 aspect ratios. You may lose parts of picture on left and right sides when this format of a video disc is recorded in 16:9 ratio. Top and bottom of the screen will remain the same.

**Normal/LB** -- Displays the video picture also in 4:3. You May not lose parts of the picture on left and right sides when the format of video or disc is recorded in 16:9 ratio but may lose the top and bottom of the picture.

**Wide** -- Displays picture in 16:9 ratio. CONCERTONE® suggests that you leave this control set in the Wide setting.

**IMPORTANT NOTICE:** The display aspect ratio on the monitor also depends on the aspect ratio of the screen or monitor. Some discs do not allow changing of the TV aspect ratio. For details, please refer to the disc's instruction.

**Angle Mark** Allows viewing from different angles if DVD has this feature available. There are two options, ON or OFF

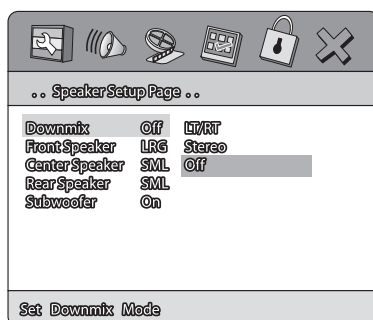
**OSD Lang** -- (On screen display language) the three languages to choose from in the sub-menu for the System Operating instructions are English, French and Spanish.

**Captions** -- The hidden subtitles that are shown on screen

**Screen Saver** -- The background screen in disc mode can be turned ON or OFF

**Last Memory** -- Last Memory function means the unit will search and continue to play at the point where the disc was stopped or removed if the Last Memory function is on. There are two options, ON or OFF in this sub-menu.

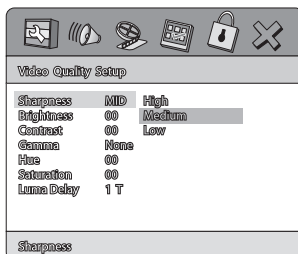
**Audio Setup Page** -- There is a Sub-menu, Speaker Setup, available to set-up the audio output for the speakers. CONCERTONE® suggest that it is better to keep the status of Speaker Setup at Factory Mode.



## General Setup Page Continued

### Video Quality Setup Page

This part is to help users to adjust video picture quality such as sharpness, brightness, contrast, hue, saturation and so on. Also, CONCERTONE suggests that it is better to keep the status of the video quality Setup at Factory Mode.



## Preference Page

**TV Type** -- This is for setting up the TV system used. CONCERTONE suggest that you leave this control set in the factory mode.

**PBC** -- Playback Control. A special feature on Video CD or Super VCD that enables interactive use. There are two options, ON or OFF in this menu. CONCERTONE suggests that you leave this control set in the factory mode.

**Parental** -- This sub-menu is for setting up limitations for playing discs to protect children from violent or unsuitable contents. There are 8 settings from Kids to Adult.

**Default** -- This sub-menu is for clearing all the set-ups and changes the unit back to the original factory settings.

Note: The Preference Page is only available when the unit has a DVD disc playing.

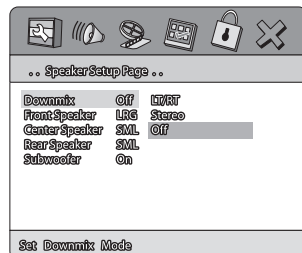
**Password Setup Page** -- This menu allows owner to set up a personal password to prevent potential unsuitable usage. With this function, the owner can choose to turn the password mode ON or OFF or change the old password to a new one.

Note: There is a secret password which always works: 123456.

### Operation of Play of MP3 or WMA Disc

When a MP3 or WMA disc is properly loaded in the unit, it will play the disc from the beginning.

If the MP3 or WMA disc is recorded with a track menu, the track menu will be displayed on screen. Press [▲] or [▼] button to select the desired folder first. Then press [▶] to get into the list of files on the right side of the screen. Finally, press [▲] or [▼] to select the desired file and press [ENTER] to confirm and play. You can also select a file to play by pressing the number of the file with the remote control.



## Television Reception

### First Search for Available TV channels

Press [▶▶] or [◀◀] to start Auto-Search which will set available channels in memory. To change from AIR to CATV channels please see below.

### Fast Operation

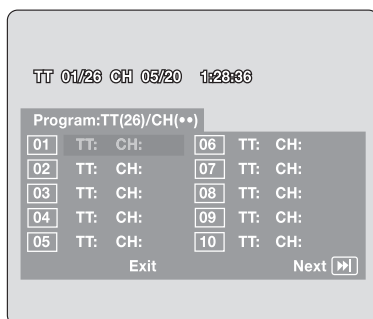
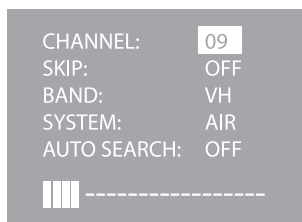
Press [▲] or [▼] to move one channel up or down for radio.

Press [CHANNEL UP] or [CHANNEL DOWN] to navigate the available channels on remote control.

Press [◀◀] or [▶▶] to search for the next lower or higher available channel.

Press [◀] or [▶] to auto-search all 2- 69 TV channels or 2-125 CATV channels.

Users can select any channel by pressing the number buttons on the front panel or on the remote control.



### Operation with TV Reception Menu

Press [SETUP] to get into TV Reception Menu.

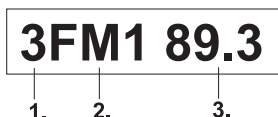
Press [◀] or [▶] to move the cursor to the desired sub-menu and press [▲] or [▼] to change highlighted item.

Note: When one sub-menu such as [SKIP] is turned on, the unit will only store those available stations when auto-searching. Under this mode, pressing [CHANNEL DOWN] or [CHANNEL UP] will change TV channel directly to another available station.



## AM/FM Reception

It is very important to understand what is shown on the digital readout:



**1. Preset Number Indicator**

Shows which preset station that has been selected.

**2. Band Indicator**

Shows which band the radio is tuned to. AM, FM 1, 2, 3 or Weather Band

**3. Frequency Indicator**

Shows which frequency the tuner is tuned.

**REMARK:**

The radio has been divided into four bands; FM1, FM2, FM3 and AM. There are 9 positions available for each band to preset favorite stations. Each of the three FM bands are shown as FM1, FM2 or FM3. However, it doesn't mean the FM has been divided into three equal frequency ranges.

**How to select the Radio Reception Mode**

Push the [BAND] button and the unit will switch to Radio immediately. Or, push the [FUNCTION] button until [RADIO] shows on the digital readout.

**How to preset the desired station to the selected pushbutton**

To preset 89.3 MHz at No.6 of FM3 band. The user needs to switch to FM3 band first and push [UP] or [DOWN] tuning button to tune to 89.3 MHz. Then pushe and hold the No. [6] button until 6 FM3 89.3 MHz flashes twice on the digital readout. The station has now been preset

**How to recall the preset stations**

If one station has been preset at No. 5 position at the band of FM2, and this station is desired, then push the [BAND] button until FM2 shows on the digital readout, and then push the No [5] button.

**Auto search for an available station**

Push [◀◀] or [▶▶] to auto search for an available station at a lower or higher frequency near the current station. When this function is applied, the unit will stay at the selected station until another operation is applied.

**Auto search through all the ranges of the FM or AM bands** Push [◀◀] button.

The unit will keep searching until any available station from a higher to lower frequency is found. When a station is found, the unit will play it for 5 seconds to let the user have the option of keeping it or not. When the unit is auto searching, pushing any button will release the unit from this function.

**Auto Scan**

Push and hold [▶▶] button longer than 3 seconds , the unit will go into AUTO SCAN function.

The difference between Auto Seek and Auto Scan function, the unit will automatically preset any available station in order until all the preset positions have been filed, Auto Seek function will not store stations.

**Auto search through all the ranged of the FM or AM bands UP**

Push [▶||] button. The unit will keep searching until any available station from a lower to higher frequency is found. When a station is found, the unit will play it for 5 seconds to let the user have the option of keeping it or not. When the unit is auto searching, pushing any button will release the unit from this function.

**LOCAL/DISTANCE (LOC/DX)**

This unit is able to automatically determine whether the signal from a radio station is too strong or not.

When the signal is too strong, the audio output may become distorted. With this unit, the signal is automatically reduced to keep the output clean. LOC will be shown on the digital display.

When the signal is normal, the unit does not need to reduce the signal and LOC will not show on the display. Local can manually be set with the LOC/DX button

**ST/MONO**

This function is to allow the user to determine whether to play the FM station in stereo or mono. Normally, in FM, when the program of a selected station that is broadcasting in stereo, and with a weak signal, applying Mono may help with a clearer signal. Press this button to select between Stereo and Mono.

**Weather Band Reception**

Press the [BAND] button to choose the Weather Band.

Once the unit is set on the Weather Band function, it will automatically search for an available signal among the 7 preset US Weather Bureau frequencies. When the signal is not strong enough to receive the last weather band signal, the unit will automatically search for another weather band signal again within 15 seconds.

The users can also manually select a whether band station by pressing any of the 1-7 numbers which have already been factory preset to the 7 Weather Band frequencies.

**INPUT Function**

This unit has one AV-IN [INPUT1] input and one AUX-IN [INPUT2] input to allow users to enjoy both Audio and Video entertainment from other AV sources such as Satellite Radio, iPod, Video Tape Player, Video Game Player, etc., which have been connected to the unit through the two inputs on the back.

To use these Inputs, press the [INPUT] button on the remote control or the [FUNCTION] button on the front panel until INPUT 1 or INPUT 2 is shown on the Digital Display.

## CONNECTING THE UNIT

### Very Important Notice:

It is strongly suggested that this unit be installed by an authorized, professional technician. Incorrect installation may cause serious damage to this unit, and possible danger to human life and your vehicle.

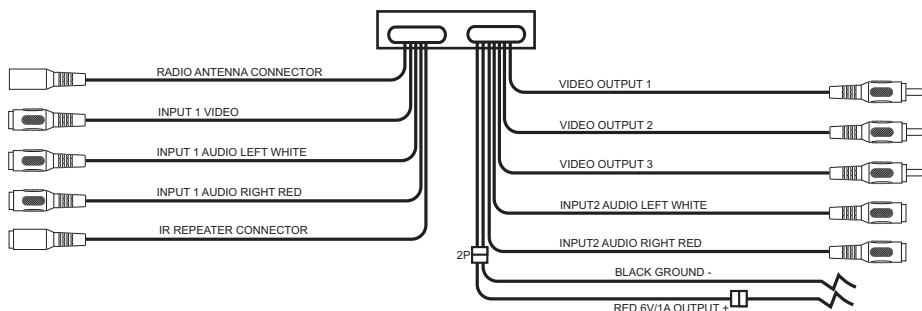
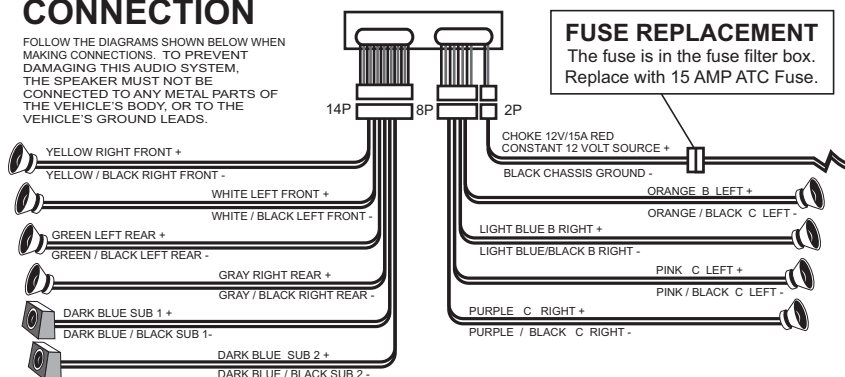
Each lead and cable is color coded to help in recognition of the functions and difference of each input or output. All the other components must be connected to this unit correctly. Again, if done incorrectly, serious damage may be caused to this unit.

Before turning on the power of this unit, make sure the unit has been connected correctly. SHORT CIRCUIT of this unit is one of the most important issues to be concerned with during installation of the cables, leads, etc.

With [100+] Radio preset button - push and hold this button to reset the system of the unit back to Factory settings. Or press the [BC] button on the remote to reset the unit to the factory default settings.

### CONNECTION

FOLLOW THE DIAGRAMS SHOWN BELOW WHEN MAKING CONNECTIONS. TO PREVENT DAMAGING THIS AUDIO SYSTEM, THE SPEAKER MUST NOT BE CONNECTED TO ANY METAL PARTS OF THE VEHICLE'S BODY, OR TO THE VEHICLE'S GROUND LEADS.



## Specification

### General

Dimension (D)	6 5/8" 240mm (W) X 9 3/8" (H) X 4-1/2" 120mm
Net Weight	6 lbs 3.35Kg
Voltage	14.4V DC (10.8V – 15.1V allowable)
Maximum Current Consumption	15A

### Audio 10 separate Digital Amplifiers

Maximum Power Output	50W x 10 at 4 Ω
Continuous Power Output	25W x 10 at 4 Ω
Load Impedance	4 Ω (4-8 Ω allowable)
Frequency Response	10Hz – 20,000Hz +/-1dB
Audio Signal against Noise Ratio	90dBA
Cross Talk Ratio for Stereo	75dBA
Audio Distortion	under 1% @ 60dB
Video	
Video Output Level	1V P_P +/-0.2V
Video Output Resolution	More than 500 lines
Tone Control	
Bass	+12dB (100Hz)
Treble	+7dB (10K Hz)
FM Frequency Range	87.9 MHz – 107.9 MHz
AM Frequency Range	530 kHz – 1,710 kHz
TV Tuner	NTSC
Air	2-69
CATV	2-125

## **WARNING**

- To reduce the risk of electrical shock, do not remove cover (or open unit). NO USER-SERVICEABLE parts inside. Refer servicing to QUALIFIED SERVICE PERSONNEL.
- The design and manufacture of this player takes personal safety into consideration. However, any improper operation may result in electrical shock, fire, or other hazard.  
Due to the dangerous voltage inside this player, do not open the cabinet by yourself to prevent electrical shock. Please contact professional technician to perform any service needed. Please use the components recommended by CONCERTONE when replacement is necessary.
- Please turn unit off when not in use.
- Use a dry, soft cloth to clean face when unit is turned off.

## **PRECAUTION**

- Moisture may cause lens of loader in this unit to malfunction. To remedy the problem, turn unit on eject disc, and run for 1-2 hours to vaporize moisture inside the unit.
- Do not repeatedly turn unit off and on. After turning unit off, wait 10 seconds before turning on again.
- Do not use broken, scratched, or twisted discs in player. This could result in damage to the unit.
- Use only 5" 12cm discs in this unit.

## **FCC COMPLIANCE**

### **15.19 Labelling requirements.**

(a) In addition to the requirements in part 2 of this chapter, a device subject to certification, or verification shall be labeled as follows:

- (1) Receivers associated with the operation of a licensed radio service, e.g., FM broadcast under part 73 of this chapter, land mobile operation under part 90, etc., shall bear the following statement in a conspicuous location on the device: This device complies with part 15 of the FCC Rules. Operation is subject to the condition that this device does not cause harmful interference.
- (2) A stand-alone cable input selector switch, shall bear the following statement in a conspicuous location on the device:  
This device is verified to comply with part 15 of the FCC Rules for use with cable television service.
- (3) All other devices shall bear the following statement in a conspicuous location on the device: 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.

## **WARRANTY**

### **ONE (1) YEAR LIMITED WARRANTY**

CONCERTONE® warrants to the original retail purchaser of this unit that it or any part therein, under normal use and conditions, be proven defective in material or workmanship within 1 year from the date of original purchase, such defect/s will be repaired or replaced at CONCERTONE®'S option without charge for parts and repair labor.

This warranty does not extend to the elimination of externally generated static or noise, to the correction of antenna generated noise or to the cost incurred to correct this noise. The warranty does not cover the removal/reinstallation of this unit or damage to any tapes, CD's, speakers, accessories, or the vehicle's electrical system.

This warranty does not cover the cabinet appearance or apply to the unit or any part of the unit which, in the opinion of CONCERTONE®, has been damaged through alterations, improper installation, mishandling, misuse, neglect, or accident. THE EXTENT OF CONCERTONE®'S LIABILITY UNDER THIS WARRANTY IS LIMITED TO THE REPAIR OR REPLACEMENT PROVIDED ABOVE, AND IN NO EVENT SHALL CONCERTONE®'S LIABILITY EXCEED THE PURCHASE PRICE PAID BY THE ORIGINAL BUYER FOR THE UNIT.

This warranty extends only to the original purchaser of the unit and is not transferable.

Some states do not allow limitations on how long an implied warranty last, and some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitations or exclusion may not apply to you. This warranty gives you specific legal rights.

To obtain repair or replacement within the terms of this warranty, the radio is to be delivered with proof of purchase with a description of the defect(s), freight prepaid, to the original dealer.

## WALL PLATES

The following accessories are optional equipment for the ZX300.

### ZW100 XM WALL PLATE

The ZW100 Wall Plate is an optional plate to be with the Delphi SKY-Fi or SKY-Fi II XM Radio Satellite Receivers. To use push and the cradle will come forward so that the satellite receiver can be loaded. Once in the cradle push downward to make a positive connection. Push the top of the satellite receiver and cradle back into the wall plate until it locks into place. Use the FUNCTION BUTTON on the ZX500 and select INPUT II on ZX500 to listen to XM Radio through your entertainment system.



### ZW150 iPod WALL PLATE

The ZW150 Wall Plate is an optional plate that can be used with the any "dockable" iPod Audio or Audio Video player. To use your iPod with the ZW150 wall plate select one of the included carriers to fit your iPod player. This carrier is designed to allow your iPod to fit firmly into the wall plate. With your iPod mounted in the carrier push the cradle as shown and it will come forward so that the iPod player with the carrier can be loaded.

Once in the cradle push downward to make a positive connection. Push the top of the iPod player and cradle back into the wall plate until it locks into place.

Use the FUNCTION BUTTON on the ZX500 and select INPUT to listen to music or videos from your iPod player on the ZX500 entertainment system.

### REMOVAL

To remove the SKY-Fi Receiver, (or iPod player) push at the top center of the unit until the lock releases with a click. Allow the receiver (or player) to tilt forward. Lift the receiver (or player) straight out of the wall plate.



### WP6RCA WALL PLATE

The WP6RCA Wall Plate is an optional plate that can be used to enjoy Audio and Video entertainment from other AV sources such as Satellite Radio, iPod Video, Video Tape Player, Camcorder, Video Game Player, etc.





# **CONCERTONE®**

## **OPERATING INSTRUCTIONS**

**DVD/CD/MP3/TV/AM/FM/WEATHER BAND  
HIGH POWER DIGITAL SURROUND SOUND**