in.tune II™

Fully and truly waterproof
am-fm receiver / mp3 / cd player

User's manual

Designed to be used in
humid environments.

Aeware by gecko®

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Aeware
by gecko

Congratulations!

Congratulations on the purchase of your very own in.tune II™ CD player! You own one of the industry's best entertainment system. This system is UV, salt spray and water resistant and is designed to provide hours of troublefree usage. Take a moment to read through this manual and become familiar with the operations and features of your new product.

Main features

- Fully waterproof
- Speaker outputs 50 Watts x 4 ch.
- AM/FM tuner
- Automatic/manual tuning
- Compatible with European and North American radio stations
- Multiple station presets
- Built-in IR remote sensor
- Compatible with Aeware's® auxiliary controls (in.k175™ & in.k455™)
- Fader key (Aeware's® exclusive feature)
- LCD display and clock functions
- CD, CD-R and CD-RW
- MP3 player with ID3 tag
- Compatible with in.p3-110™ waterproof docking station for iPod

WARNING

Before installing or connecting the unit, please read the following.

DO NOT DISASSEMBLE OR ALTER.
Doing so may result in an accident, fire or electrical shock.

USE THE CORRECT AMPERE RATING WHEN REPLACING FUSES.
Failure to do so may result in fire or electrical shock.

DO NOT BLOCK VENTS OR RADIATOR PANELS.
Doing so may cause heat to build up inside and may result in fire.

DO NOT PLACE HANDS, FINGERS OR FOREIGN OBJECTS IN INSERTION SLOTS OR GAPS.
Doing so may result in personal injury or damage to the product.

DO NOT PLACE HANDS OR FINGERS ON RADIATOR PANELS.
Doing so may result in personal injury.

DO NOT USE FOAM TO ISOLATE THE UNIT.
Doing so may cause heat to build up inside and may result in fire.

INSTALL UNIT 1" AWAY FROM OTHER SURFACES.
Make sure to leave a clearance of at least 1" from other surfaces.

INSTALL MOUNTING STRAP.
The in.tune II™ must always be installed with the mounting strap firmly-fixed to a solid part. Failure to do so may result in damage to the unit and annulment of the warranty, (see page 11 for more details).

DO NOT INSERT A WET CD DISK IN YOUR IN.TUNE II™
Do not insert a wet CD disk in the disk slot of your in.tune II™ receiver/CD player. Doing so will void the warranty of your in.tune II™.

PRECAUTIONS

Damaged disc
Do not attempt to play a cracked, warped or damaged disc. Playing such a disc could severely damage the mechanism.

Maintenance
If you have problems, do not attempt to repair the unit yourself. Return it to your dealer or service station for servicing.

Accessory parts
Be sure to use only the specified accessory parts. Use of other than designated parts may damage this unit internally or may not securely install the unit in place. This may cause parts to become loose resulting in hazards or product failure.

Disposal of the product
The appliance (or the product) must be disposed of separately in accordance with the local waste disposal legislation in force.

WARNING

When this equipment is provided as an audio/video component for spas, UL 1563 - 5th edition requires that the following instructions (or equivalent) be provided as part of the instruction manual for the spa equipment.

PREVENT ELECTROCUTION

Do not connect any auxiliary components (for example cable, additional speakers, headphones, additional audio/video components, etc) to the system.

These units are not provided with an outdoor antennae; when provided, it should be installed in accordance with Article 810 of the National Electrical Code, ANSI/NFPA 70.

Do not service this product yourself as opening or removing covers may expose you to dangerous voltage or other risk of injury. Refer all servicing to qualified service personnel.

When the power supply connections or power supply cord(s) are damaged; if water is entering the audio/video compartment or any electrical equipment compartment area, if the protective shields or barriers are showing signs of deterioration; or if there are signs of other potential damage to the unit, turn off the unit and refer servicing to a qualified service personnel.

CAUTION- RISK OF ELECTRIC SHOCK !

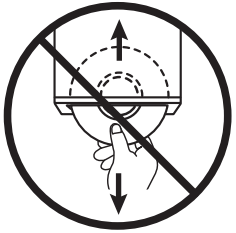
DO NOT LEAVE COMPARTMENT DOOR OPEN.

REPLACE COMPONENTS ONLY WITH IDENTICAL COMPONENTS.

DO NOT OPERATE THE AUDIO/VIDEO CONTROLS WHILE INSIDE THE SPA.

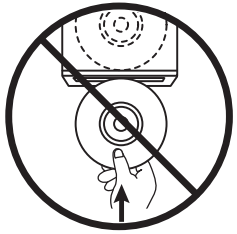
WARNING EUROPEAN INSTALLATION

European norms require that this equipment installation as well as its electrical wiring be protected against water flooding and water splashing, to meet **IPX5** rating.



Never attempt the following

Do not grip or pull out the disc while it is being pulled back into the player by the automatic reloading mechanism. Do not attempt to insert a disc into the unit when power is off.



Inserting a disc

Make sure label side is facing up when you insert the disc.

Do not try to insert another disc when one has already been inserted.

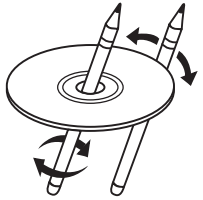
If a disc is inserted incorrectly, the "DISC ERROR" message will be displayed twice, then CD player will return to Radio mode. If the player continues to display "DISC ERROR" message, push the **Reset** button with a pointed object such as a ballpoint pen.

CD logo marks

Use only compact discs with the label side showing the CD logo marks above.

Correct performance can't be guaranteed if you use unspecified compact discs.

A CD-R or CD-RW that hasn't been finalized (closed) or on which a recording failure has occurred can't be played.

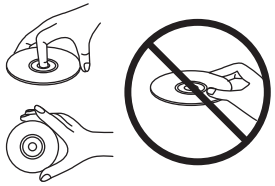


New discs

New discs may sometimes have some roughness around the edges. If such discs are used, the player may not work properly. Use a ballpoint pen or the like to remove any roughness from the edge of the disc.

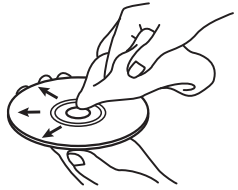
Irregular shaped discs

Be sure to use round shape discs only for this unit and never use any special shape discs. Using a special shape disc may cause damage to the mechanism.



Correct handling

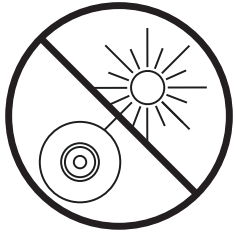
Handle the disc by its edge. To keep the disc clean, do not touch the surface. Never stick paper or tape on the surface of the disc or mark the surface with a pencil or pen.



Disc cleaning

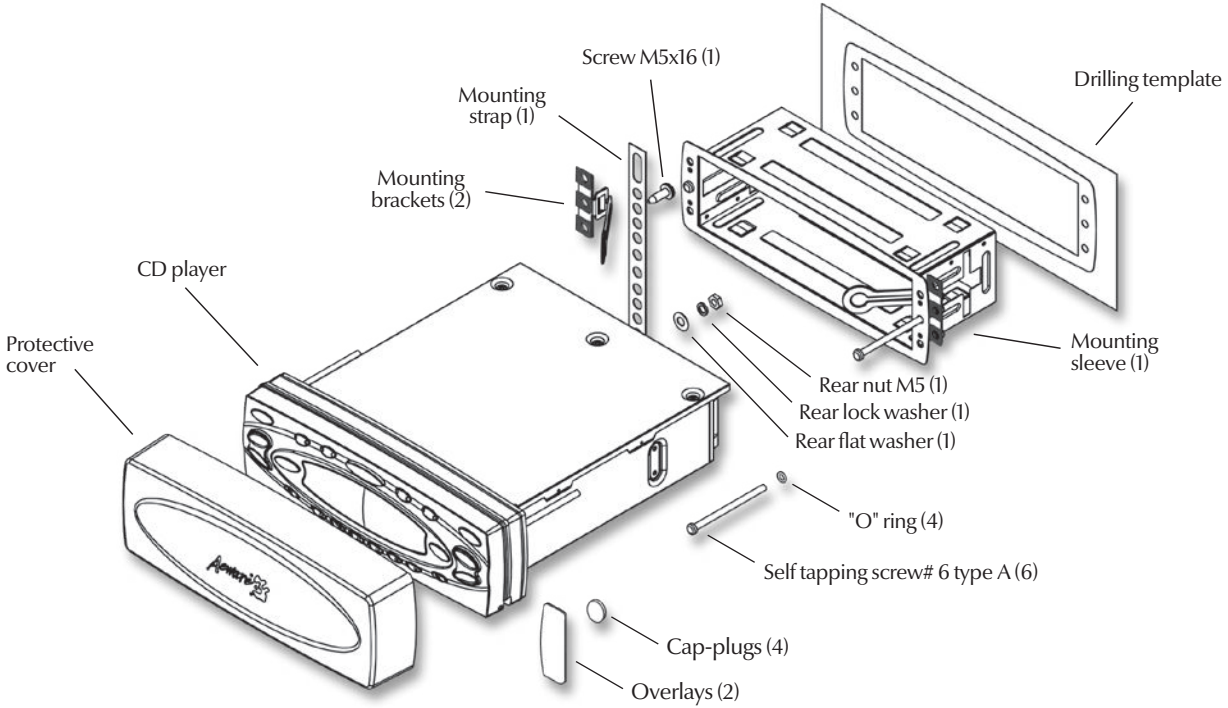
Fingerprints, dust or soil on the surface of the disc could cause the CD player to skip. To remove these, wipe the playing surface with a clean, soft cloth from the center of the disc to the outer edge.

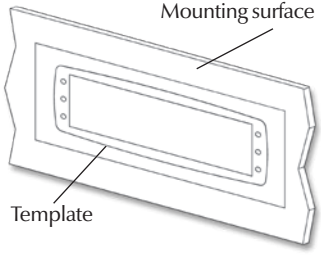
Never use solvents, such as commercially available cleaners, anti-static spray or thinner to clean discs.

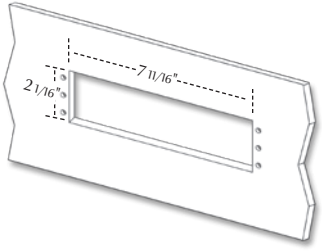


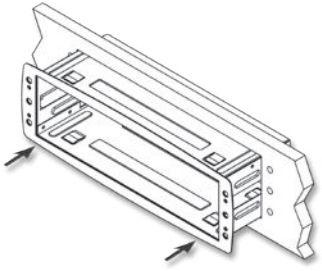
Storage

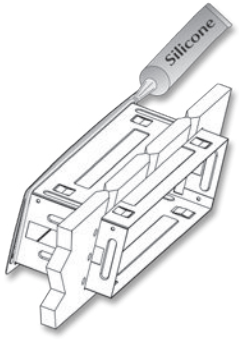
Do not expose discs to direct sunlight or any heat source. Do not expose discs to excess humidity or dust.


Screw M5x16 (1)
Drilling template
Mounting strap (1)
Mounting brackets (2)
CD player
Protective cover
Mounting sleeve (1)
Rear nut M5 (1)
Rear lock washer (1)
Rear flat washer (1)
"O" ring (4)
Self tapping screw# 6 type A (6)
Cap-plugs (4)
Overlays (2)



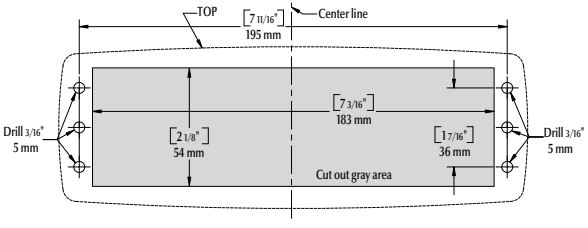






Step 1

Using the drilling template supplied with the unit, determine the mounting location and then stick the template on the location.



Cut and remove the hatching area on the template. Then drill six 3/16" (5mm) mounting holes in the exact position according to the mounting paper.

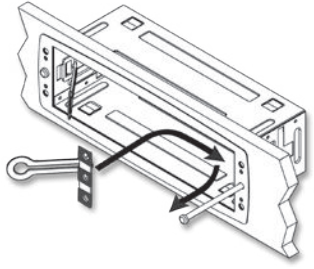
Step 2

Insert the mounting sleeve into the hole (installation opening).

Step 3

If the installation location is not perfectly even (e.g. wood surface), make a silicone joint between the installation location and the mounting sleeve (to avoid water leakage). Apply silicone all around the unit. Let the silicone dry and remove excess.

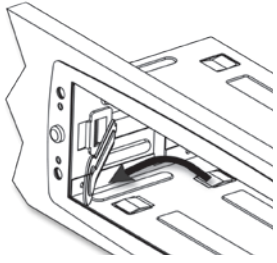
Note: Failure to apply silicone may damage the unit and surround equipment!



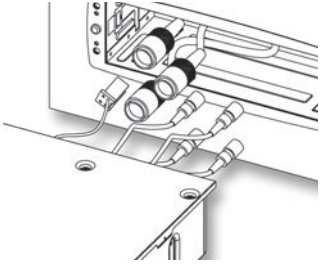
Step 4

Fixing the mounting sleeve:

a) Insert mounting bracket.
b) Then pull bracket towards you.
c) Fix bracket with self tapping screws # 6 x 2" type A.
d) Make sure the 6 holes are correctly aligned.
e) Brake the installation handle by moving it back and forth.
f) Repeat steps a) to e) for the other bracket.



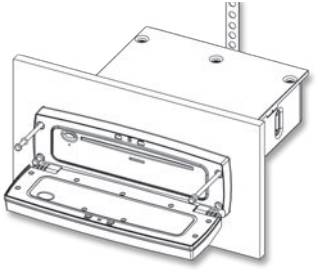
Note: The use of an adjustable torque wrench is recommended. Torque setting: 8-12 lbs·in (0.9-1.36 N·m).



Step 5

Connect wires.

Refer to wiring section (page 16) of this manual for more details.

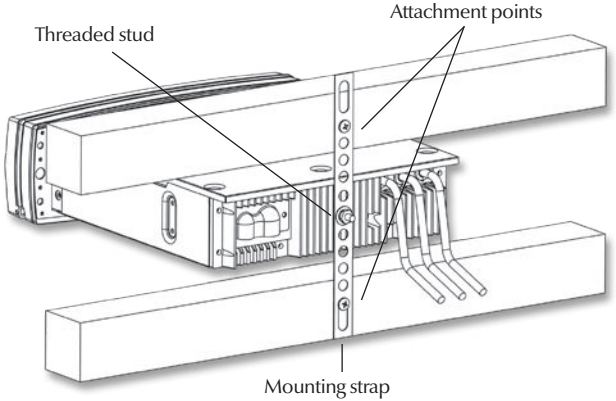


Step 6

Insert the CD player into the mounting sleeve.

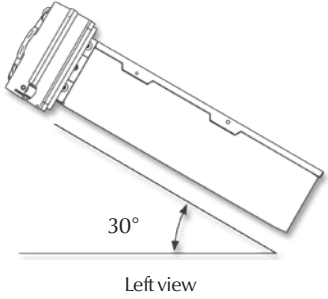
Open front panel and fix CD player with (4) self tapping screws # 6 x 2" type A.

Note: The use of an adjustable torque wrench is recommended. Torque setting: 8-12 lbs·in (0.9-1.36 N·m).



Step 7

Re-inforce the back side of the CD Player attaching the threaded stud to the metal mounting strap. Attach the other end of the strap to a solid part of the mounting area (as illustrated above). Please note that if necessary, the strap can be bent to the desired angle (to fit the mounting area).



Installation angle

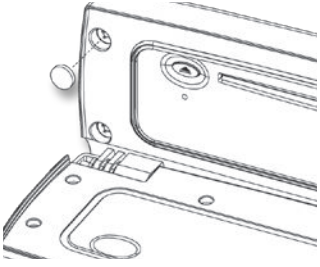
If installation angle exceeds 30° from horizontal, the unit might not give its optimum performance.

Step 8

Make sure that the 4 fixing screws (M4x60) that hold the in.tune II™ are properly installed.

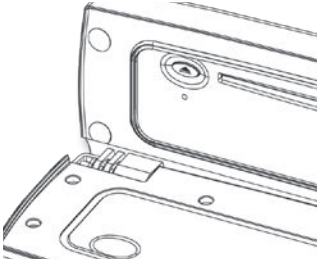
Important: The in.tune II™ must always be installed with the mounting strap firmly fixed to a solid part. Failure to do so may result in damage to the unit and annulment of the warranty.

Note: Threaded stud and mounting strap are included.



Step 9

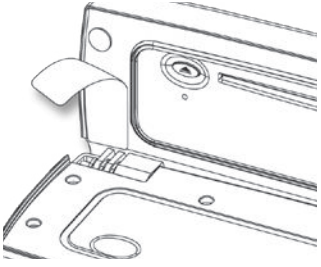
Place the cap plugs for the in.tune II™ with the concavity toward the recess of each of the 4 fixing screws.



Step 10

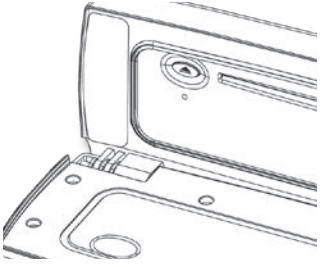
When properly installed, the caps set even with the installation surface.

Clean the surface of the in.tune II™ with a paper towel.



Step 11

Peel off the protective paper from the back of the overlay. Make sure the overlay is well aligned and rests perfectly in the recess of the in.tune II™.



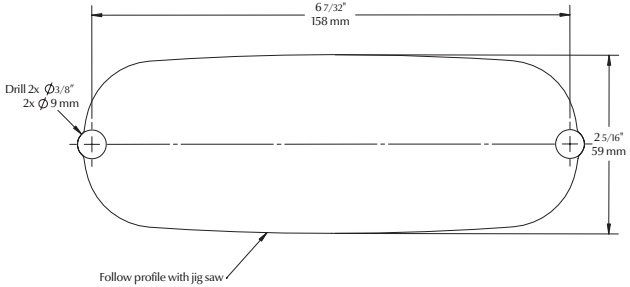
Step 12

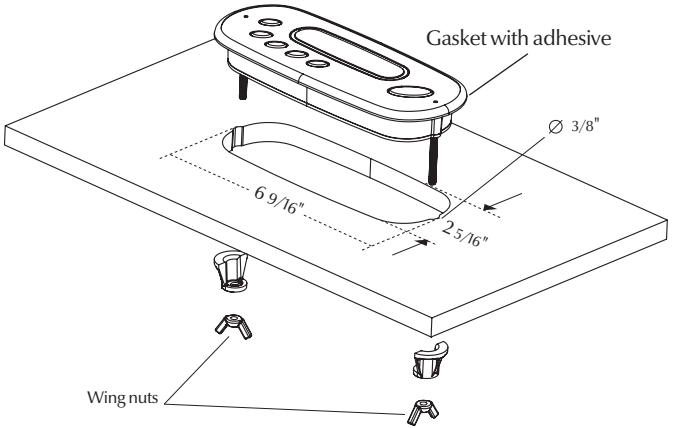
When properly installed, the caps set even with the installation surface. Clean the surface of the in.tune II™ with a paper towel.

Installation in.k455™ with adhesive (optional)

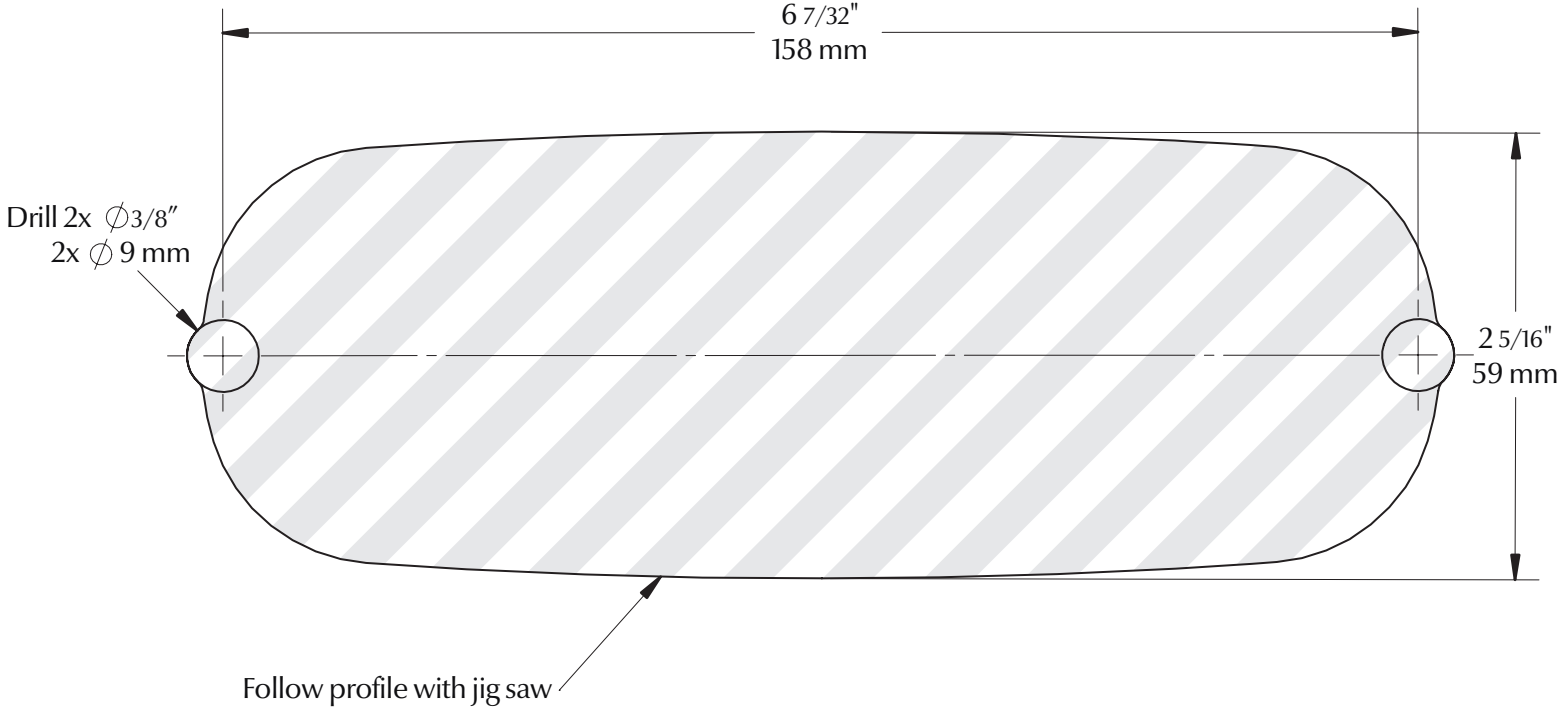
The keypad should be installed directly on the edge of the spa so that it is easily accessible to the user.

- Using the drilling template supplied with the unit, determine the mounting location and then stick the template on the location.
- Drill two 3/8" (9 mm) diameter holes at 6 7/32" (158 mm) from center to center, in the exact position according to the drilling template.
- Cut out and remove the material between the two holes following the profile with a jig saw (see illustration).
- Clean the installation surface and peel the adhesive gasket from the back of the keypad.
- Insert keypad and align it correctly, then secure it properly in place by using the two wing nuts provided.

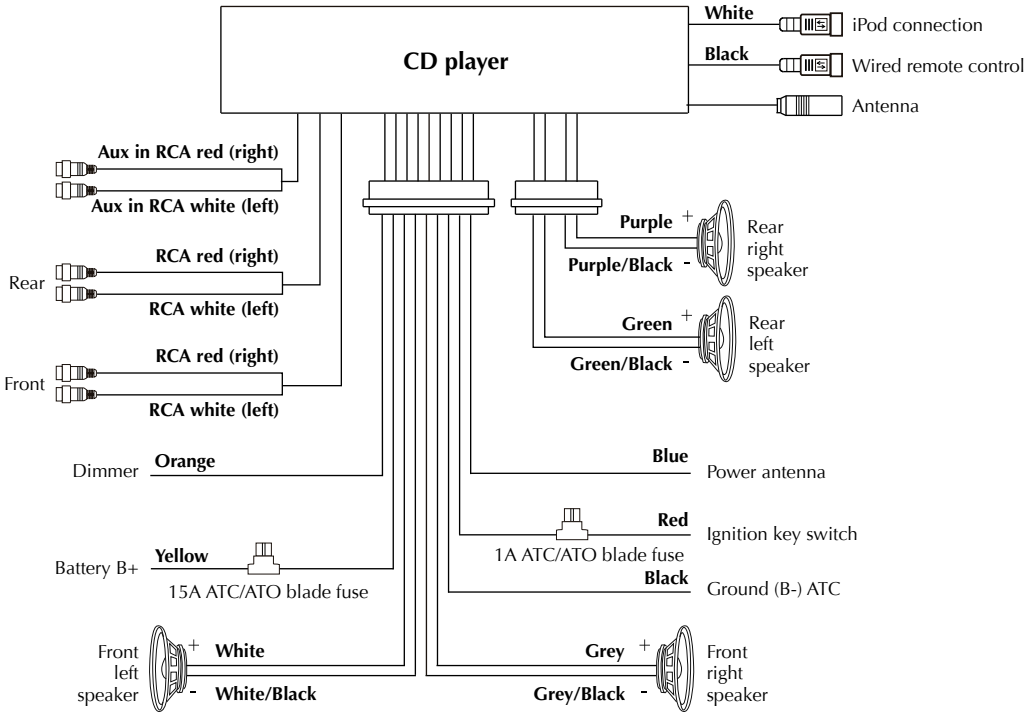




Drilling template (in.k455™)



Wiring diagram



Wiring

Yellow wire (w/fuse)
Connect this wire to a constant +12 volt power source.

Red wire
Connect this wire to a constant or switched +12 volt power source (a power source turned on and off by the ignition key).

Orange wire
Connect this wire to the light control switch (dimmer control). If no lighting circuit is available, tape off the end of this wire to prevent shorting out of the unit.

Blue wire
Connect this wire to the (+) power antenna activation circuit. If no power antenna exists, tape off the end of this wire to prevent shorting out of the unit.

Black wire
Connect this wire to ground power source.

White wire
Connect this wire to the left front speaker (+) positive terminal or wire.

White wire with black stripe
Connect this wire to the left front speaker (-) negative terminal or wire.

Gray wire
Connect this wire to the right front speaker (+) positive terminal or wire.

Gray wire with black stripe
Connect this wire to the right front speaker (-) negative terminal or wire.

Green wire
Connect this wire to the left rear speaker (+) positive terminal or wire.

Green wire with black stripe
Connect this wire to the left rear speaker (-) negative terminal or wire.

Purple wire
Connect this wire to the right rear speaker (+) positive terminal or wire.

Purple wire with black stripe
Connect this wire to the right rear speaker (-) negative terminal or wire.

Gray cable with red/white RCA connectors
Connect to the audio line output of any additional audio or video sound source.

Black cable with red/white RCA connectors
Provides L/R channel (front/rear) audio signal output to an additional amplifier.

Wiring (Con't.)

Note:
This unit is designed to connect 4 speakers. If the installation only requires 2 speakers, use the white and gray wire sets to connect the speakers.

WARNING

Any wires left unconnected must be taped off or capped off to prevent shorting.

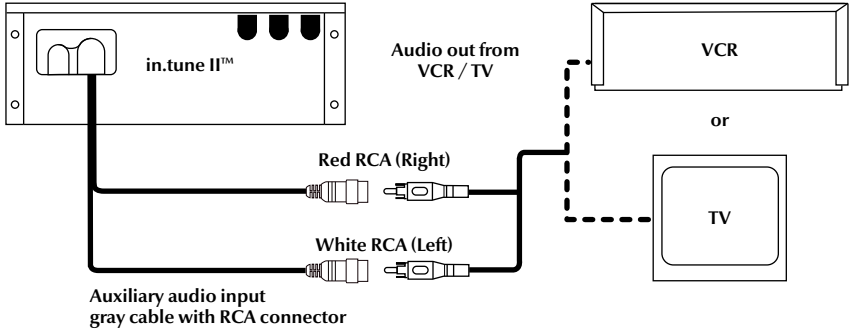
DO NOT connect speaker ground wires together.

DO NOT connect speaker ground wires to the power supply ground.

DO NOT connect front and rear speaker wires together.

FAILURE TO FOLLOW ANY OF THESE WARNINGS WILL RESULT IN DAMAGE TO THIS UNIT AND VOIDS THE WARRANTY.

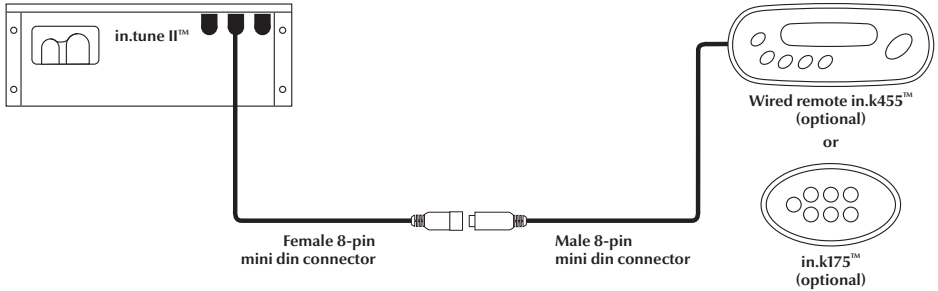
Auxiliary connection



Connecting keypad to in.tune II™

The in.k455™ comes with a 20 ft cable terminated with a 8-pin mini din male connector.

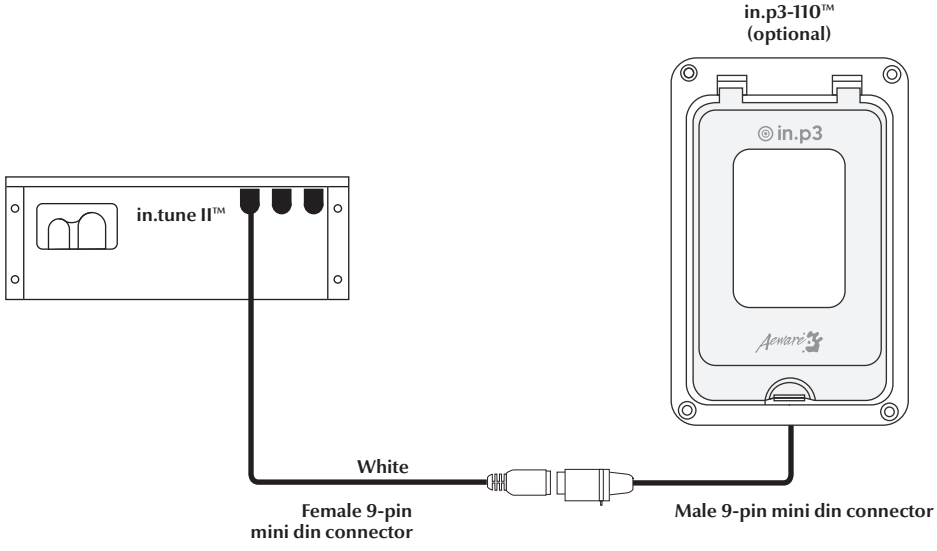
To connect the keypad, simply insert the 8-pin mini din male connector into the 8-pin mini din receptable as illustrated.



Connecting in.p3-110™ to in.tune II™

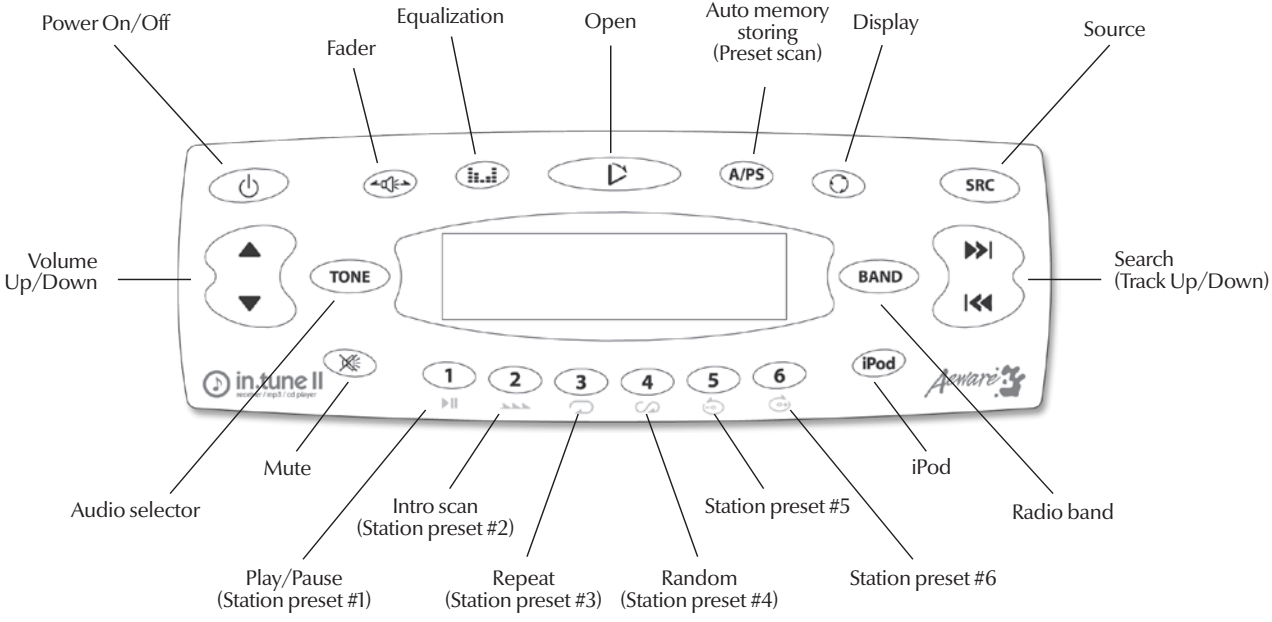
The in.p3-110™ dock station comes with a 10 ft cable terminated with a 9-pin mini din connector.

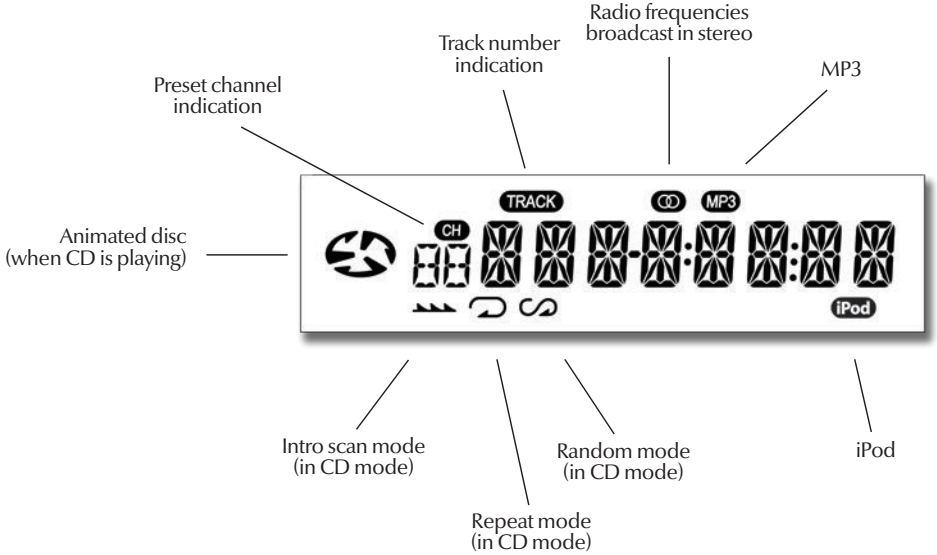
To connect the dock station simply insert the 9-pin mini din male connector into the 9-pin mini din receptable as illustrated.

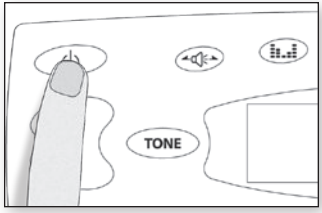


Model supported:
iPod 4TH & 5TH generation
iPod nano (1G - 5G)
iPod classic

Note: It's not possible to directly control the iPod once connected to the in.p3-110™ docking connector.

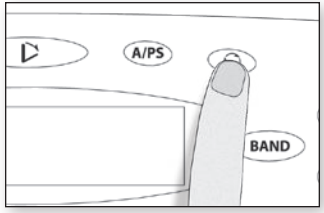

Power On/Off
Fader
Equalization
Open
Auto memory storing (Preset scan)
Display
Source
A/PS
SRC
Volume Up/Down
TONE
BAND
Search (Track Up/Down)
in.tune II
iPod
1
2
3
4
5
6
Audio selector
Mute
Intro scan (Station preset #2)
Station preset #5
iPod
Radio band
Play/Pause (Station preset #1)
Repeat (Station preset #3)
Random (Station preset #4)
Station preset #6


Radio frequencies broadcast in stereo
Track number indication
MP3
Preset channel indication
Animated disc (when CD is playing)
TRACK
CH
MP3
iPod
Intro scan mode (in CD mode)
Repeat mode (in CD mode)
Random mode (in CD mode)
iPod



Power on/off

Press **Power** to turn system on or off.



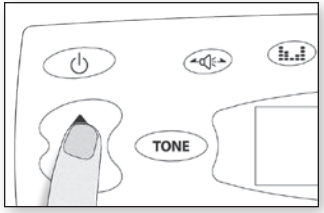
Clock setting

When the time is displayed (clock), press and hold **Display** for 3 seconds.

Time then flashes on the display. Set the hours by using **Track up** or **down**.

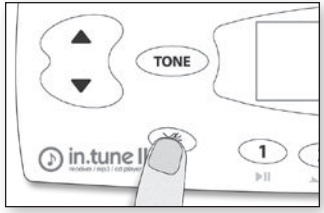
Press **Display** again. Set the minutes.

When done, press and hold **Display** again for 3 seconds to exit (or simply wait for 5 seconds).



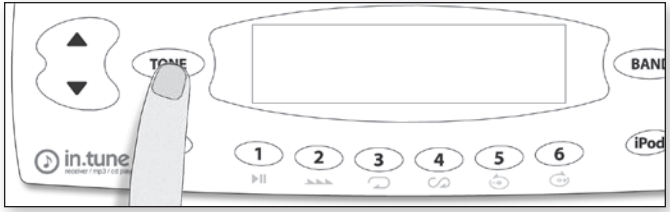
Volume up or down

Press **Volume up** or **down** to increase or decrease volume.



Mute

Press **Mute** to mute the audio output. Press again to return to previous volume level.



Tone

Use **TONE** to select either (in order): volume, bass, treble, balance or fader. To change the desired parameter, use **Volume up** or **down**. ▲▼

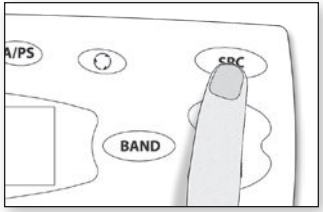
Bass control: Adjusts the amount of low frequency that you hear.

Treble control : Adjusts the amount of high frequency that you hear.

Balance control: Adjusts the amount of sound output to the left and right speakers.

Fader control: Adjusts the amount of sound output (see **Fader** key on next page).

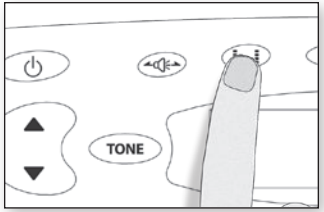
Note: Bass and Treble settings are available only if EQ is set to DSP Off.



Source SRC

Pressing **SRC** will allow you to select a source between the following (in order):

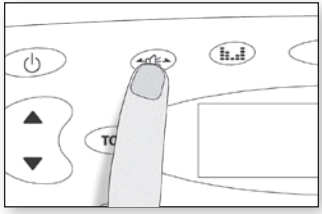
Tuner, CD and Aux, iPod.



Equalization

Successive presses on **EQ** will allow you to choose from DSP Off, Jazz, Pop, Classic, Rock or Vocal.

Press and hold EQ to enable or disable "LOUD" function.



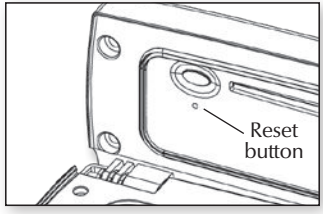
Fader

Successive presses on **Fader** will allow you to select from one of the following adjustments:

FAD-FRONT: Front speaker only.

FAD-REAR: Rear speaker only.

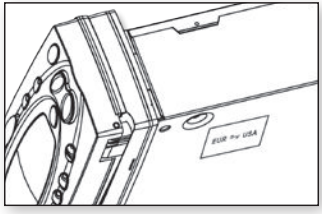
FAD-ALL: Front and rear speakers.



Reset button

If keys on the front panel become locked up, i.e. keys do not function at all, or the display area becomes unreadable,or any other malfunction try this: with a ballpoint pen press the **Reset** button.

Pressing **Reset** button clears all memory (except station presets) and resets the display to its default settings. The clock will lose the set time.



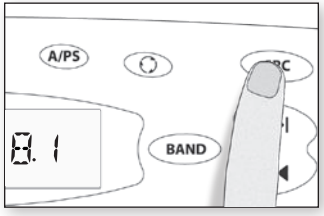
USA/Europe switch

You can switch from American (USA) to European radio stations. To do so, power down the unit first. Then lift up the sticker which is located under the CD player.

Switch from American (USA) to European or vice-versa, as indicated on the sticker then put sticker back in place and power up the unit.

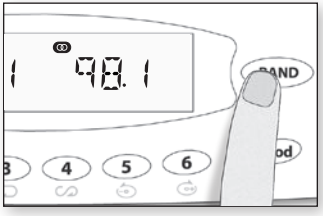
Protective cover

We recommend to install the protective cover on the front panel when CD player is not used for a long period of time or when the surface on which the CD player is installed needs some cleaning.



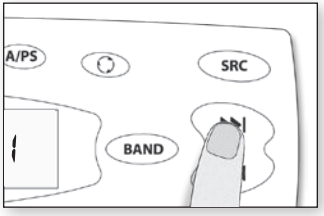
Selecting radio mode SRC

Press **SRC** until Radio mode is displayed.



Selecting radio band BAND

Press **BAND** to select between FM1, FM2, FM3, AM1, AM2.



Tuning up or down ⏮ ⏭

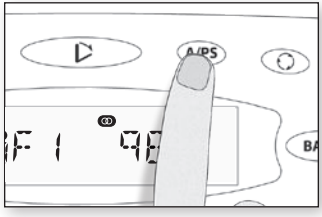
Press **Track up** to manually adjust frequency up. Press and hold **Track up** to make a seek up to the next station. Scan mode stops as soon as a strong station is found.

Press **Track down** to manually adjust frequency down. Press and hold **Track down** to make a seek down to the next station. Scan mode stops as soon as a strong station is found.

Preset stations 1 2 3 4 5 6

Any station may be preset simply by pressing and holding one of the keys (**1** to **6**).

Press one of the keys (**1** to **6**) to recall the stored stations.

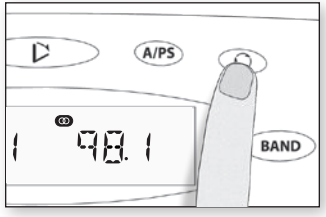


Auto scan **A/PS**

Press **A/PS** to scan preset stations. The tuner will scan up and wait for a few seconds, then scan up again.

Once the desired station is found, press **A/PS** again to stop Scan mode.

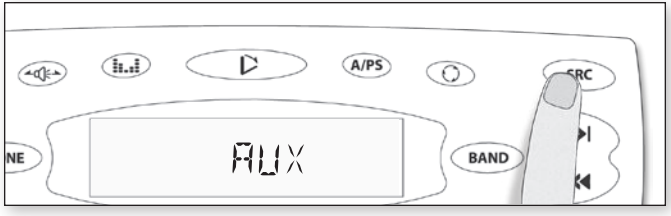
Pressing and holding **A/PS** will scan and store stations automatically in each memory (6) of the selected band.



Display information

Press **Display** to switch between the following display information:

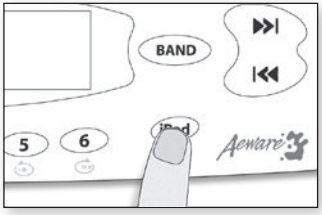
Frequency - Clock (clock is displayed for 5 seconds only).



Auxiliary input

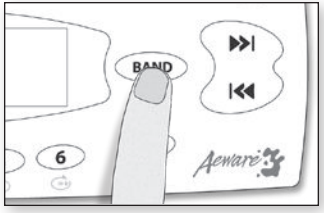
Press **SRC** until the display reads "AUX", which indicates that the auxiliary unit is playing.

This mode allows to play sound from external source such as a TV, video, etc. (please refer to "installation & connections" section for the connection of such external devices).



Selecting iPod mode

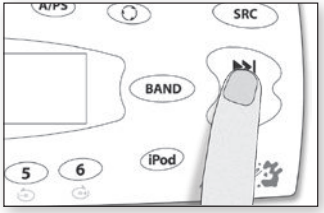
Press **iPod** (or **SCR** key successively) to access iPod mode.



BAND

Press **BAND** successively to access the following menus: “Playlist”, “Artist”, “Album”, “Song name”, “Genre”, “Composer”. Press once again to exit.

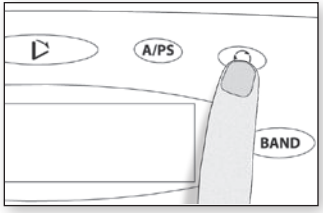
If no key is pressed within 5 seconds, it will exit without changing.



Track up/down ⏮ ⏭

Press ⏮ ⏭ to do a track forward or backward.

Once **BAND** key has been pressed, press one of these ⏮ ⏭ keys to scroll through the selected menu content: "Playlist", “Artist”, “Album”, “Song name”, “Genre” or “Composer” in increasing or decreasing alphabetical order. Press **BAND** key again to confirm selection.

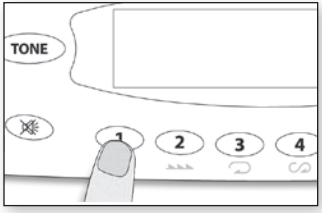


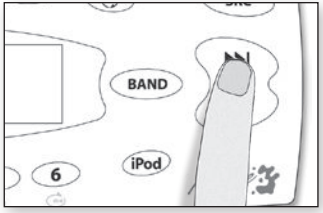
Display ⟳

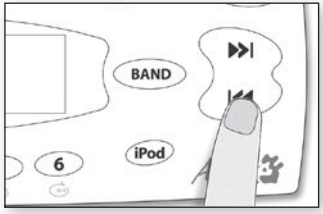
Press the key to change display information as following: Track number/elapsed time - Track number/number of tracks - Artist - Song name - Album- - Clock.

When Clock is displayed, press and hold the key to adjust the Clock.

(continues on next page).







Display (continuation)

The system can only display the first 8 letters of ID3 tags. If the recorded information is longer than 8 letters, text will scroll to the left once, then the 8 first letters will be displayed.

The characters A-Z, 0-9 can be displayed on this unit, other characters may not be displayed correctly.

Play/Pause 1

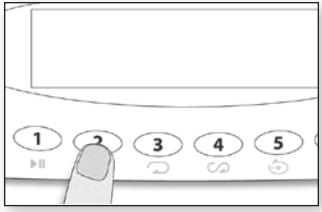
Press this key to pause iPod playback. Press again to return to Play mode.

Fast forward

Press and hold key to fast forward song track.

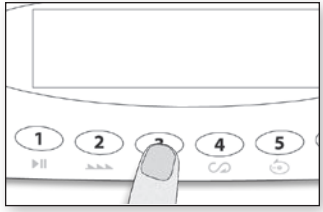
Rewind

Press and hold key to do fast backward song track.



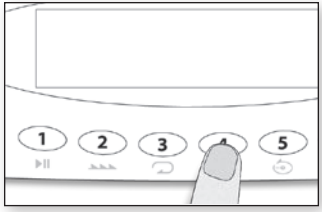
Intro scan 2

A press will plays the first several seconds of each song track on the current playlist.



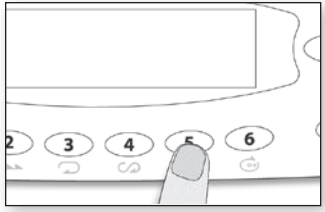
Repeat 3

Press this key to repeat song track.



Random 4

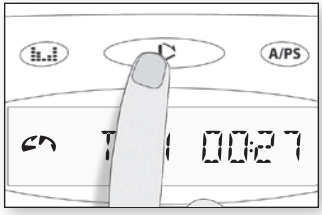
A press will plays all song tracks on the current playlist in random order.



Folder up/down

Press BAND successively to access the following menus: “Playlist”, “Artist”, “Album”, “Song name”, “Genre”, “Composer”. Then, press one of these keys ⏮ ⏭ to scroll through the selected menu content. Press BAND key again to confirm selection.

Press 5 6 to scroll through the content of your choice (e.g. if "Album" playback is selected, these keys will enable you to view the next/ previous album).

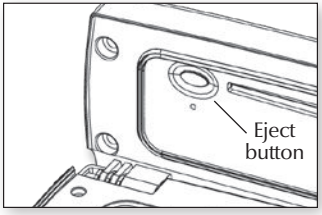


Inserting compact disc

Press **Open** to flip down the front panel and access the CD slot. Insert CD into the CD slot.

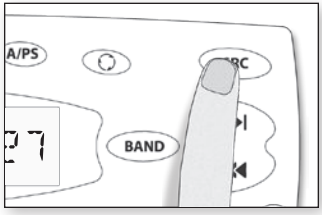
The CD will load and play automatically.

If the CD does not auto load, do not force it. Press the **Eject** button as you may already have a disc inserted.



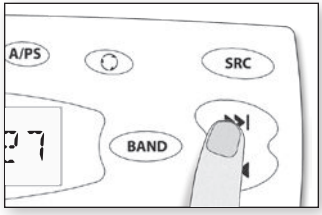
Ejecting compact disc

To eject CD, flip-down front panel must be open, then press **Eject** button, located on the left.



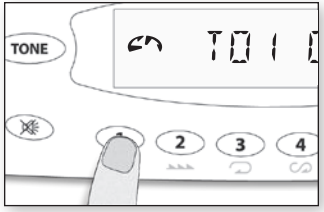
Selecting CD mode SRC

Press **SRC** until CD mode is displayed.



Track up or down

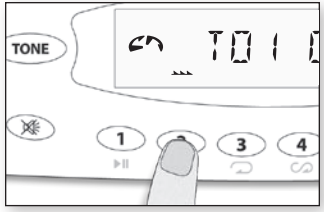
To change music track, simply press **Track up** or **down**.



Pause mode ⏯ 1

To pause the playing of a disc, press **Pause**.

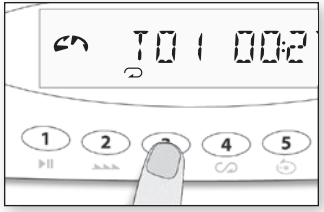
To resume play, press key again.



Intro scan mode 〰 2

You can preview each song of the current disc for about 10 seconds. Simply press **Scan**.

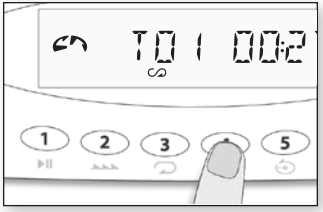
Press again to turn off this feature.



Repeat mode 🔁 3

To play a song repeatedly, press **Repeat**.

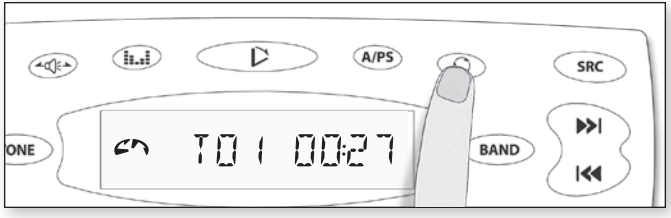
Press again to turn off this feature.



Random mode 🔀 4

Press **Random** to play song tracks randomly.

Press again to turn off this feature.



Display information

Press **Display** to switch between the following display information: Track no. / Playtime - Clock (clock is displayed for 5 seconds only).

If you inserted a CD containing MP3 files, a different display info will appear if you press **Display**:
Track no. / Playtime – Folder no. / Track no. – Folder name – File name – Song name – Artist's name – Album name - Clock (clock is displayed for 5 seconds only).

Display limitations

The system can only display the first 8 letters of ID3 tags. If the recorded information is longer than 8 letters, text will scroll to the left once, then the 8 first letters will be displayed.

If specific info has not been recorded on an MP3 disc, NO FOLD, NO TRK, NO TLT, NO ALBM, NO ART will be displayed.

The characters A-Z, 0-9 can be displayed on this unit, other characters may not be displayed correctly.

Playback order of MP3 files

- A directory that does not include an MP3 file is skipped.
- Maximum number of files: 999
- Maximum number of folders: 250
- We recommend that you make no more than two folder levels for each disc.
- Maximum number of folder levels: 8
- Maximum number of characters for MP3 file name and folder name: 16
- Sampling frequency: 8 kHz, 11.025 kHz, 16 kHz, 22.05 kHz, 32 kHz, 44.1 kHz, 48 kHz
- Bit rates: 8-384 Kbps
- MP3 decoding format: MPEG 1 & 2 & 2.5 Audio Layer 1, 2, 3
- Folder names and file names can be displayed with up to 8 characters (see **Display** key).
- ID3 tag is supported (see **Display** key).

Reading files on a disc

When a disc containing MP3 data is loaded, the unit checks all the data on the disc. If the disc contains a lot of folders with many levels, it takes a longer time to start playback.

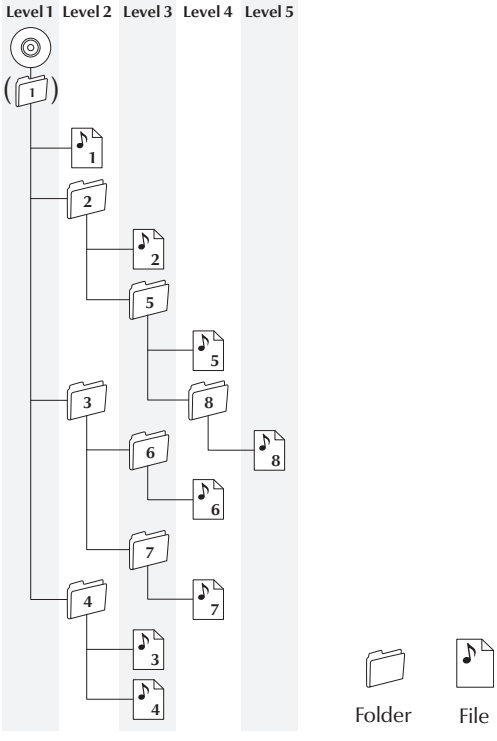
In addition, it may take time for the unit to move to the next MP3 file and Fast Forward function may not be performed smoothly.

MP3 playing order

When selected to play, files and folders are accessed in the order in which they were written by the CD writer. Therefore, the playing order may not be the same as the order in which they are expected to be played.

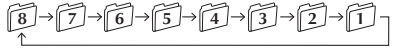
For example, a disc with the following folder/file hierarchy is subject to Folder Select, File Select and playback order as shown on next page.

Example of a disc's folder/file hierarchy

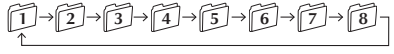


Operation of keys

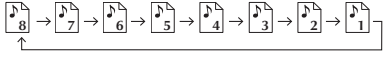
Press **5** to select folder down



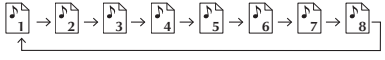
Press **6** to select folder up



Press ⏮ (Track Down) to select file down

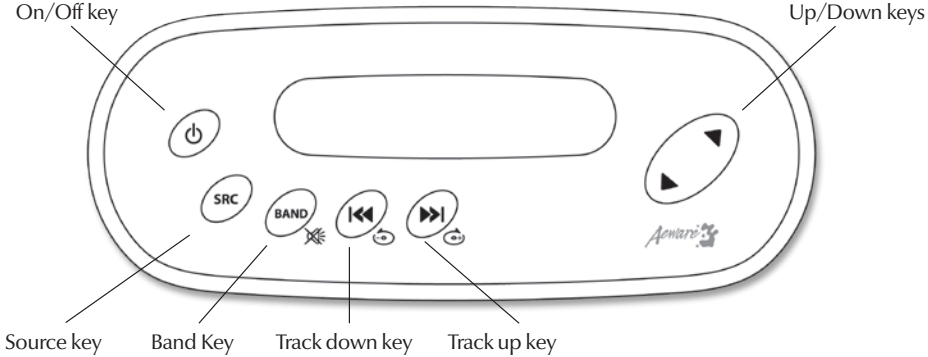


Press ⏭ (Track Up) to select file up

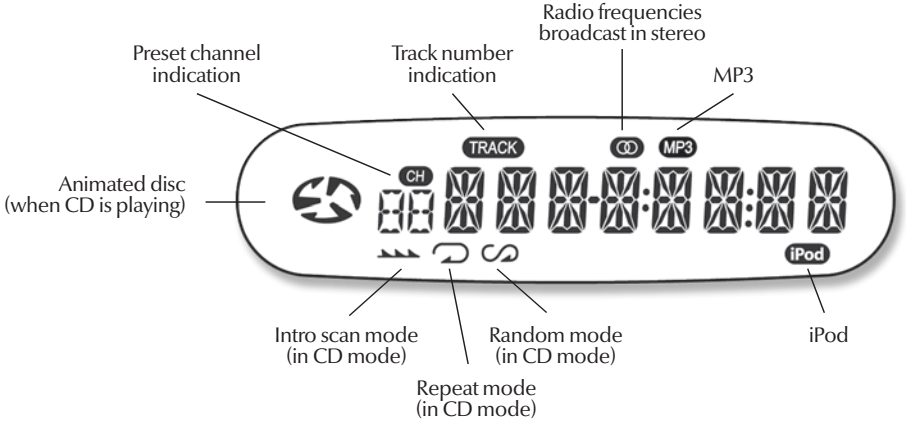


Press and hold **5** to return 10 files behind.

Press and hold **6** to go 10 files forward.



** Option accessible through the in.tune II™ only.*


Radio frequencies broadcast in stereo
Preset channel indication
Track number indication
MP3
TRACK
CD
MP3
CH
Animated disc (when CD is playing)
iPod
Intro scan mode (in CD mode)
Random mode (in CD mode)
iPod
Repeat mode (in CD mode)

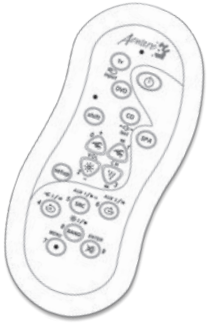
Key	Description
	Press **Power** to turn system on or off.
	Pressing **SRC** will allow you to select a source between the following (in order): Tuner, CD, iPod, Aux.
	Radio mode: Press B**AND** to select between AM1, AM2, FM1, FM2, FM3. **iPod mode:** Press B**AND** successively to access "Playlist", "Artist", "Album", "Song name", "Genre" or "Composer" and once again to exit. Use **Track Up** or the **Track Down** keys to scroll through the selected menu content. Press B**AND** key again to confirm selection. In all modes, press and hold the B**AND** key to mute the audio output. Do it again to return to previous volume level.
	Press the **Volume Up** or **Volume Down** keys to increase or decrease the volume.
	Radio mode: Press **Track Up** or the **Track Down** keys to go to the next or previous preset station. **CD mode:** Press **Track Up** or the **Track Down** keys to change music track. **MP3 mode:** Press **Track Up** or the **Track Down** keys to select file up or down. Press and hold the **Track Up** or the **Track Down** keys to go to the next or previous folder. **iPod mode:** Press **Track Up** or the **Track Down** keys to select file up or down. When the B**AND** key has been pressed, press **Track Up** or the **Track Down** keys to scroll "Playlist", "Artist", "Album", "Song name", "Genre" or "Composer". Press and hold the **Track Up** or the **Track Down** keys to scroll through the content of your choice (e.g. if "Album" playback is selected, these keys will enable you to view the next/previous album).

Sold separately

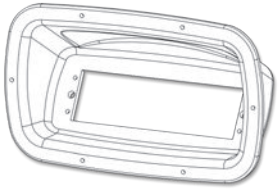
* The code for your in.tune II™ is 0101.

Key/Icon	Description
Aeware	When pressing a key, the red **LED** blinks to show that the remote control is working properly and sending signals.
setup	Use **setup** for all programming sequences. Refer to the remote control (IRMT-4™) instructions manual for detailed explanation on programming sequences.
	Press **Power** to turn system on or off.
CD	Press **CD** to control the in.tune II™ *.
VOL	Press **VOL** + or **-** to increase or decrease volume.
CH	**Radio mode:** Press **CH** + or **-** to go to the next or previous preset station. Press and hold **CH** + or **-** to make a seek up or down to the next station. Scan mode stops as soon as a strong station is found. **CD mode:** Press **CH** + or **-** to change music track. Press and hold **Track Up** or **Down** to fast forward or rewind. **MP3 mode:** Press **CH** + or **-** to select file up or down. **iPod mode:** Press **CH** + or **-** to select file up or down. Press and hold key to fast fwd or rew. When the **Band** key has been pressed, press **CH** + or **-** to scroll "Playlist", "Artist", "Album", "Song name", "Genre" or “Composer”.

Key/Icon	Description
SRC	Pressing **SRC** will allow you to select a source between the following (in order): Tuner, CD, Aux, iPod.
	MP3 mode: Press to select folder down and press to select folder up. Press and hold one of these keys to skip 10 songs forward or backwards from where you are currently positioned. **iPod mode:** Press to scroll through the content of your choice (e.g. if "Album" playback is selected, these keys will enable you to view the next/previous album).
BAND	**Radio mode:** Press **BAND** to select between FM1, FM2, FM3, AM1, AM2. **iPod mode:** Press the key successively to access “Playlist”, “Artist”, “Album”, "Song name", “Genre”, "Composer" and once again to exit. Use **CH** + or **-** keys to scroll through the selected menu content. Press **BAND** key again to confirm selection.
	Press to mute the audio output. Press again to return to previous volume level.
shift	While holding **shift**, press one of the following keys to select secondary functions (the LED lights up above key).
shift + 1,2,3,4,5,6	**Radio mode:** Use these keys (1-6) to recall the stored stations. Any station may be preset simply by pressing and holding one of the keys (1 to 6).
shift + tv (iPod)	Press **iPod** to access iPod mode. Press **iPod** again to turn off iPod and return to previous mode.
shift + CD (last)	Successive presses on will allow you to select from one of the following adjustments: FAD-FRONT: Front speaker only. FAD-REAR: Rear speaker only. FAD-ALL: Front and rear speakers.



Optional IRMT-4™
infrared remote control

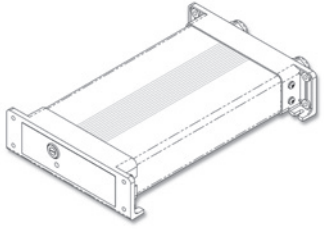


Optional panel housing
(30° mounting bezel)
for in.tune II™ Player.

Optional in.p3-110™
Waterproof protection,
docking, connectivity and
remote control for iPod.

Optional in.k455™
wired remote control
with display

Optional antenna cable for in.tune II™



in.power.210™

Optional in.k175™
wired remote control

Sold separately.

For more information on wired and infrared remotes
or other accessories, visit our website at **www.aeware.ca**

Designs are subject to change without prior notice.

General specifications:

Power supply voltage: 14,4V (11–14,4V allowable), negative ground
Max. current consumption: 15A
Back-up current (Ignition OFF): 15mA (Max.)
Speaker impedance: 4Ω
Operating temperature: 50°C (122°F) to –20°C (68°F)
Weight: 2.18kg (4.8lbs)
Dimensions (W x H x D):
Chassis: 178mm x 50mm x 190mm (7" x 2" x 7-1/2")
Front Panel: 212mm x 70mm x 32mm (8-3/8" x 2-3/4" x 1-1/4")

Audio specifications:

Max. power output: 50W x 4 ch (200W total)
Continuous average power output: 20W x 4 ch, into 4 Ω, 20Hz to 20kHz, 1%TDH
Bass control: ± 10dB (100Hz)
Treble control: ± 10dB (10kHz)
Loudness contour: + 10dB (100Hz), + 10dB (10kHz) (at volume –20dB)
Max. preout level/load: 5V/10KΩ

Weather band:

Usable sensitivity (S/N=20dB):	2dBuV
Signal to noise ratio (S/N):	45dB
Frequency range:	162,40MHz – 162,55MHz

CD player:

Signal to noise ratio (S/N):	> 65dB
Channel separation:	> 50dB (at 1kHz)
Dynamic range:	80dB (at 1kHz)
Frequency response:	20Hz to 18kHz
Total harmonic distortion (THD):	0,5% (at 1kHz)
Sampling frequency:	44.1kHz

Specifications and design are subject to change without prior notice.

FM tuner:

Usable sensitivity (S/N = 30dB):	4µV
Stereo separation:	30dB
Signal to noise ratio (S/N):	55dB
Frequency range:	
American (USA):	87,5MHz – 107,9MHz
Europe:	87,5MHz – 108MHz
Frequency spacing:	
American (USA):	200kHz
Europe:	50kHz

AM tuner:

Usable sensitivity (S/N = 20dB):	31µV
Frequency range:	
American (USA):	530kHz – 1710kHz
Europe:	522kHz – 1620kHz
Frequency spacing:	
American (USA):	10kHz
Europe:	9kHz

Applicable Standards:

UL 1563 Fifth Ed.
File: E241878
CSA No. 22.2 - 218.1-M89.

*EN/IEC
EN 55013
EN 55020

***Note: see warning section for installation under the spa skirt.**

Specifications and design are subject to change without prior notice.

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Rev. 03/11

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