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1 Important

Safety

• Read and understand all instructions before you use your apparatus. If damage is caused by failure to follow instructions, the warranty does not apply.
• This apparatus is designed for negative ground (earth) 12 V DC operation only.
• To ensure safe driving, adjust the volume to a safe and comfortable level.
• Improper fuses can cause damage or fire. When you need to change the fuse, consult a professional.
• Use only the supplied mounting hardware for a safe and secure installation.
• To avoid short circuit, do not expose the apparatus, remote control or remote control batteries to rain or water.
• Never insert objects into the ventilation slots or other openings on the apparatus.
• Clean the apparatus and frame with a soft, damp cloth. Never use substances such as alcohol, chemicals or household cleaners on the apparatus.
• Never place any objects other than discs into the apparatus.
• Never use solvents such as benzene, thinner, cleaners available commercially, or anti-static sprays intended for discs.
• Visible and invisible laser radiation when open. Avoid exposure to beam.
• Risk of damage to the apparatus screen! Never touch, push, rub or strike the screen with any object.

Caution

• Use of controls or adjustments or performance of procedures other than herein may result in hazardous radiation exposure or other unsafe operation.

• The apparatus shall not be exposed to dripping or splashing.
• Do not place any sources of danger on the apparatus (e.g. liquid filled objects, lighted candles).

Notice

Any changes or modifications made to this device that are not expressly approved by Philips Consumer Lifestyle may void the user’s authority to operate the equipment.

Recycling

Your product is designed and manufactured with high quality materials and components, which can be recycled and reused.

When you see the crossed-out wheel bin symbol attached to a product, it means the product is covered by the European Directive 2002/96/EC:

Never dispose of your product with other household waste. Please inform yourself about the local rules on the separate collection of electrical and electronic products. The correct disposal of your old product helps prevent potentially negative consequences on the environment and human health.

Environmental information

All unnecessary packaging has been omitted. We have tried to make the packaging easy to separate into three materials: cardboard (box), polystyrene foam (buffer) and polyethylene (bags, protective foam sheet.)

Your system consists of materials which can be recycled and reused if disassembled by a specialized company. Please observe the
local regulations regarding the disposal of packaging materials, exhausted batteries and old equipment.

Be responsible Respect copyrights

The making of unauthorized copies of copy-protected material, including computer programs, files, broadcasts and sound recordings, may be an infringement of copyrights and constitute a criminal offence. This equipment should not be used for such purposes.

Windows Media and the Windows logo are trademarks, or registered trademarks of Microsoft Corporation in the United States and/or other countries.

This apparatus includes this label:

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**Introduction**

With the in-car audio system, you can enjoy your drive while listening to:
- FM or AM (MW) radio
- Audio from CD or MP3 disc
- Audio from USB devices
- Audio from other external devices

The unit supports the following media format:

---

**What's in the box**

Check and identify the contents of your package:

1. Main unit (with a sleeve)
2. Front panel
3. Trim plate
4. Carrying case for front panel
5. Rubber cushion
6. Screw x 1 pc
7. Disassembly tools x 2 pcs
8. User manual
Overview of the main unit

1 SOURCE
   • Select audio source.

2 MENU
   • Access system menu.

3 ◀
   • Return to previous menu.

4 ◁ ◁ / ◁ ◁
   • Turn the unit on or off.
   • Confirm selection.
   • Mute or unmute sound.
   • Rotate to adjust volume.

5 ZONE ▲ / ▼
   • Select tuner band.
   • Select MP3/WMA folder.
   • Switch music listening zone.

6 ▲
   • Eject disc.

7 USB socket.

8 AUDIO IN
   • Connect external audio device.
3 Install the car audio

These instructions are for a typical installation. However, if your car has different requirements, make the corresponding adjustment. If you have any questions regarding installation kits, consult your Philips car audio dealer.

Caution

- This unit is designed for negative ground (earth) 12 V DC operation only.
- Always install this unit in the car dashboard. Other locations can be dangerous as the rear of the unit heats up during use.
- To avoid short-circuit: before you connect, ensure that the ignition is off.
- Ensure that you connect the yellow and red power supply leads after all other leads are connected.
- Ensure that all loose leads are insulated with electrical tape.
- Ensure that the leads do not get caught under screws or in parts that will move (e.g. seat rail).
- Ensure that all ground (earth) leads are run to a common ground (earth) point.
- Use only the supplied mounting hardware for a safe and secure installation.
- Improper fuses can cause damage or fire. When you need to change the fuse, consult a professional.

Note on the power supply lead (yellow)

- When you connect other devices to this apparatus, ensure that the rating of the car circuit is higher than the total fuse value of all the connected devices.

Notes on speaker connection

- Never connect speaker wires to the metal body or chassis of the car.
- Never connect speaker wires with stripes to one another.
Connect wires

**Caution**
- Ensure that all loose leads are insulated with electrical tape.

**Note**
- Consult a professional to connect CEM2090 as instructed below.

1. Connect the supplied male connector to the unit.

2. Check the car’s wiring carefully and connect them to the supplied male connector.

**Note**
- Risk of danger! Please consult a professional to perform the below steps!

3. Connect the antenna and amplifier as illustrated, if applicable.

---

<table>
<thead>
<tr>
<th>Connector</th>
<th>Connect to</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 ANTENNA</td>
<td>Antenna</td>
</tr>
<tr>
<td>2 REAR LINE OUT R (Socket)</td>
<td>Rear right speaker</td>
</tr>
<tr>
<td>3 REAR LINE OUT L (Socket)</td>
<td>Rear left speaker</td>
</tr>
</tbody>
</table>

---

1. Green/black strip Left speaker (Rear)
2. White/black strip Left speaker (Front)
3. Gray/black strip Right speaker (Front)
4. Purple/black strip Right speaker (Rear)
5. Red Ignition key +12V DC when ON/ACC
6. Blue Motor/electric antenna relay control lead
7. Blue/white Amplifier relay control lead
8. Black Ground
9. Yellow To the +12V car battery which is energized at all times
Tip

• The pin arrangement for the ISO connectors depends on the type of vehicle you drive. Be sure to make proper connections to prevent damage to the unit.

Mount into the dashboard

1 If the car does not have an on-board drive or navigation computer, disconnect the negative terminal of the car battery.
   • If you disconnect the car battery in a car that has an on-board drive or navigation computer, the computer may lose its memory.
   • If the car battery is not disconnected, to avoid short-circuit, ensure that the bare wires do not touch each other.

2 Ensure that car dashboard opening is within these measurements:

3 Remove the mounting sleeve with the supplied disassembly tools.

4 Install the sleeve into the dashboard and bend the tabs outward to fix the sleeve.

Note

• If the unit is not fixed by sleeve but by the supplied screws, skip this step.

5 Place the supplied rubber cushion over the end of the mounting bolt.
Slide the unit into the dashboard until you hear a click sound.

Reconnect the negative terminal of the car battery.

**Attach the front panel**

1. Attach the trim plate.
2. Insert the right side of the panel in the chassis until it is correctly engaged.
3. Press the left side of the panel until the mechanism locks it into place.

**Detach the front panel**

You can detach the front panel to deter theft.

1. Press \( \text{a} \) to release the panel.
2. Pull the panel towards you to disengage it from the chassis.
3. Store the panel in the supplied carrying case to protect it from dirt or damage.
4 Get started

![Caution]

Use the controls only as stated in this user manual.

Always follow the instructions in this chapter in sequence.

If you contact Philips, you will be asked for the model and serial number of your apparatus. The model number and serial number are on the bottom of your apparatus. Write the numbers here:

Model No. __________________________
Serial No. ___________________________

Turn on

To turn on the unit,
• Press Ø.

To turn off the unit,
• press and hold Ø until the unit is turned off.

Select country/region

![Note]

Select correct country/region for this unit, otherwise the unit cannot work properly.

1 Press Ø to turn the unit on.
   ➔ [SELECT OPERATING REGION] is displayed.

2 Rotate Ø to select an option:
   • [USA] (United States)
   • [LATIN] (Latin America)
   • [EUROPE] (Western Europe)
   • [RUS] (Russia)
   • [M-EAST] (Middle East)
   • [ASIA] (Pacific)
   • [JAP] (Japan)
   • [AUST] (Australia)

3 Press Ø to confirm.

Set clock

1 Press MENU repeatedly until current time is flashed.

2 Rotate Ø to set hour.

3 Press Ø to confirm.

4 Rotate Ø to set minute.

5 Press Ø to confirm.

Set clock format

1 Press MENU.

2 Press ▲ or ▼ repeatedly until [CLOCK FORMAT] is displayed.

3 Rotate Ø to select a setting:
   • [CLOCK 12H]
   • [CLOCK 24H]

View clock

In any mode, press and hold MAX SOUND/Ø until the clock is displayed.
• Press any key to cancel the clock display.

Switch music listening zone

Philips’ innovative Zone technology enables driver or passengers to enjoy music with the best speakers’ balance and experience more vivid spatial effect as the artist is intended to create. You can switch the music listening zone from driver to passengers for the best speaker sound settings in car.
1 Press ZONE.
→ The current setting is displayed.

2 Rotate ▲ / ▼ to select a setting:
• [ALL]
• [FRONT-L] (Front left)
• [FRONT-R] (Front right)
• [FRONT]

5 Listen to radio

Mute the button beep

Each time you press a button, the unit beeps. You can turn this beep sound on or off.

1 Press MENU.

2 Press ▲ or ▼ repeatedly until [BEEP] is displayed.

3 Rotate ◁ to select a setting:
• [BEEP ON]: turn the beep sound on.
• [BEEP OFF]: turn the beep sound off.

Tune to a radio station

1 Press SOURCE repeatedly to select radio mode.

2 Press BAND or ▲ / ▼ repeatedly to select band: [FM1], [FM2], [FM3], [AM1], or [AM2].

3 Press and hold ◁ or ▶ until the frequency digit is flashed.

4 Press ◁ or ▶ to tune to a radio station manually.
→ The radio station is broadcast.
• To search for a radio station automatically, press ◁ or ▶.

Select tuner region

You can select suitable country/region of the radio.

1 Press SOURCE to select radio mode.

2 Press MENU repeatedly until [AREA] is displayed.

3 Rotate ◁ to select:
• [USA] (United States)
• [LATIN] (Latin America)
• [EUROPE] (Western Europe)
• [RUS] (Russia)
• [M-EAST] (Middle East)
• [ASIA] (Asia Pacific)
• [JAP] (Japan)
• [AUST] (Australia)

4 Press ◁ to confirm.
Select tuner sensitivity

To receive more radio stations or only stations with strong signal, you can adjust the tuner sensitivity.

1. Press MENU repeatedly until [LOCAL] is displayed.
2. Rotate ø to select a setting:
   - [LOCAL ON] (local on): only stations with strong signal can be broadcast.
   - [LOCAL OFF] (local off): stations with strong and weak signals can be broadcast.

Store radio stations in memory

You can store up to 6 stations in each band.

Store stations automatically

1. In Radio mode, press and hold DBB/AS until [STORE - - -] is displayed.
2. Press ø to confirm.
   - The six strongest stations of the selected band are saved in preset channel automatically.

Store stations manually

1. Tune to a station that you want to store. (see ‘Tune to a radio station’ on page 13)
2. Press a numeric button for 3 seconds.
   - The station is saved in the selected channel.

Tune to a preset station

1. Press BAND to select band.
2. Press a numeric key to select a preset station.

Play with RDS

The RDS (Radio Data System) function operates only in areas with FM stations broadcasting RDS signals. If you tune to an RDS station, the station name are displayed.

Turn on RDS

Note

- The default setting for RDS is on.

1. Press MENU.
2. Press ▲ or ▼ repeatedly until [RDS] is displayed.
3. Rotate ø to select [RDS ON].
   - The RDS function is turned on.

Select program type

Before tuning to RDS stations, you can select program type and let the unit search only for programs of the selected category.

1. Press MENU.
2. Press ▲ or ▼ repeatedly until [PTY] is displayed.
3. Press ø to confirm.
4. Rotate ø to select a type, then press ø to confirm.

<table>
<thead>
<tr>
<th>Item</th>
<th>Program type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
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<td>NEWS</td>
<td>News services</td>
</tr>
<tr>
<td>2</td>
<td>AFFAIRS</td>
<td>Politics and current affairs</td>
</tr>
<tr>
<td>3</td>
<td>INFO</td>
<td>Special information programs</td>
</tr>
<tr>
<td>4</td>
<td>SPORT</td>
<td>Sports</td>
</tr>
<tr>
<td>5</td>
<td>EDUCATE</td>
<td>Education and advanced training</td>
</tr>
<tr>
<td>6</td>
<td>DRAMA</td>
<td>Radio plays and literature</td>
</tr>
</tbody>
</table>
### Set region for AF tuning

You can define AF tuning region:

<table>
<thead>
<tr>
<th>Setting</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>[REG ON]</td>
<td>Only stations in current region can be tuned to automatically.</td>
</tr>
<tr>
<td>[REG OFF]</td>
<td>All stations can be tuned to automatically.</td>
</tr>
</tbody>
</table>

1. Press MENU.
2. Press ▲ or ▼ repeatedly until [REG] is displayed.
3. Rotate ○ to select a setting.

### Receive traffic announcement

If you do not want to miss traffic announcement when enjoying music, turn on the TA (Traffic Announcement) function.

1. Press MENU.
2. Press ▲ or ▼ repeatedly until [TA] is displayed.
3. Rotate ○ to select a setting:
   - [TA ON]: when there is traffic announcement, the unit switches to the tuner mode (regardless of the current mode) and begins to broadcast the traffic conditions. When the traffic announcement is over, it returns to the previous mode.
   - [TA OFF]: traffic announcement does not cut in.

**Note**

- If the current received TA signal remains weak for over 120 seconds, the unit will activate TA Seek mode automatically. The TA Seek will seek for other station with good condition of TA signal.

**Tip**

- When a traffic announcement cuts in, user can short press ▼ to terminate the traffic announcement, and the unit will resume to previous playback mode.
Set RDS clock

You can use time signal that is broadcast together with the RDS signal to set the clock of the unit automatically.

1 Press MENU.
2 Press ▲ or ▼ repeatedly until [CT] is displayed.
3 Rotate Θ to select a setting:
   • [CT ON]: turn on the RDS clock. Time shown on the unit synchronizes with that on the RDS station.
   • [CT OFF]: turn off the RDS clock.

Tip
• The accuracy of the transmitted time depends on the RDS station that transmits the time signal.

6 Play audio files

Note
• Ensure that the disc or device contains playable files.

Play a disc

Note
• You cannot play CDs encoded with copyright protection technologies.

You can play commercially available audio CDs and these discs:
• CD-Recordables (CD-R)
• CD-Re-writables (CD-RW)
• MP3 CDs
• WMA CDs

Note
• Ensure that the disc contains playable content.

Insert a CD with the printed side facing up.

➔ Play starts automatically.
• To pause CD play, press ►II.
• To resume CD play, press ►II again.
• To skip to the previous/next track, press ▼ or ►.
• To search backward/forward rapidly within the current track, press ▼ or ► for three seconds.

Remove the CD

To take out the CD, press ▲ on the front panel.

Tip
• If the disc is blocked in the disc compartment, press and hold ▲ until the disc comes out.
Play from USB

Note

- Ensure that the USB device contains playable music.

Insert the USB device

1. Slide the USB socket cover marked to the left.
2. Insert the USB device into the USB socket. The unit starts playing from the USB device automatically.

Remove the USB device

1. Press to turn off the unit.
2. Remove the USB device.

Play options

Switch tracks

During play, you can switch tracks or folders quickly.

Switch tracks directly

1. Press to access the track list. The file name of current track scrolls.
2. Rotate to toggle through tracks.
3. Press to play the selected track.

Switch folders for a track

1. Press to access the folder list. The name of current folder scrolls.
2. Rotate to toggle through folders.

View play information

During playing, press DISP repeatedly to view:
- Track number and elapsed play time
- Folder
- File
- Album
- Artist
- Title

Repeat play

1. During play, press REP. [REPEAT] is displayed.
2. Rotate to select a setting:
   - [REP TRK] (repeat one track): play current track repeatedly.
   - [REP FLD] (repeat a folder): play all tracks in the current folder repeatedly.
   - [REP ALL] (repeat all tracks): play all tracks repeatedly.

Shuffle play

You can play the tracks in random order:

1. During play, press SHUF. [SHUFFLE] is displayed.
2. Rotate to select a setting:
   - [SHUF FLD]: start random play for all tracks in the current folder.
   - [SHUF ALL]: start random play for all tracks.
   - [SHUF OFF]: cancel shuffle play.
Connect external sound source

1. Connect the external sound source to AUDIO IN socket with a 3.5 mm cable.
2. Press SOURCE repeatedly until [AUDIO IN] is displayed.
3. Operate the external component (refer to the instructions supplied with the external component).

7 Adjust sound

Adjust volume

Turn ø clockwise/counterclockwise to increase/decrease volume.

Mute

You can turn off the sound of your audio. During play, press ø.
• To resume sound, press ø again.

Turn Dynamic Bass Boost (DBB) on/off

1. Press DBB/AS and the current setting is displayed:
   - [DBB ON]: Dynamic Bass Boost (DBB) function is on.
   - [DBB OFF]: Dynamic Bass Boost (DBB) function is off.
2. Press DBB/AS again to change the DBB setting.

Turn MAX sound on/off

1. Press MAX / ø.
   - The current setting displays
     • [MAX ON]: maximum sound (MAX sound) function is on.
     • [MAX OFF]: maximum sound (MAX sound) function is off.
2. Press MAX / ø again to select an option.
Select preset equalizer

1 Press EQ / AUDIO.
   ➔ Current Equalizer setting is displayed.

2 Press EQ / AUDIO again to select a preset EQ setting:
   • [OPTIMAL] (optimal)
   • [FLAT] (flat)
   • [POP] (pop)
   • [USER] (user)
   • [TECHNO] (techno)
   • [ROCK] (rock)
   • [CLASSIC] (classic)
   • [JAZZ] (jazz)

Other sound settings

You can also adjust the preset EQ / AUDIO settings.

1 Press EQ / AUDIO for 3 seconds.

2 Press ▲ or ▼ repeatedly to select the item to be adjusted:
   • [BAS] (bass) range: -7 to +7.
   • [TRE] (treble) range: -7 to +7.
   • [BAL] (balance) range: 12L to 12R. (L=left speaker; R=right speaker)
   • [FAD] (fader) range: 12R to 12F. (R=rear speaker; F=front speaker)

3 Rotate ø to select a value.

8 Adjust system settings

Turn demo mode on/off

1 Press MENU.

2 Press ▲ or ▼ repeatedly until [DEMO] is displayed.
   ➔ The screen shows current demo mode setting.

3 Rotate ø to select a setting:
   • [DEMO ON]: turn the demo mode on. When the unit is idle for more than 120 seconds, all functions are displayed.
   • [DEMO OFF]: turn the demo mode off.

Dimmer

1 Press MENU.

2 Press ▲ or ▼ repeatedly until [DIMMER] is displayed.

3 Rotate ø to select a setting:
   • [DIMM HIGH] (dimmer high)
   • [DIMM LOW] (dimmer low)

Dance

You can turn on or off the spectrum on the LCD display.

1 Press MENU.

2 Press ▲ or ▼ repeatedly until [DANCE] is displayed.

3 Rotate ø to select a setting:
   • [DANCE ON]: turn the spectrum on.
   • [DANCE OFF]: turn the spectrum off.
9 Additional information

Replace fuse

If the fuse is damaged,
1 Check the electric connection.
2 Buy a fuse that matches the voltage of the damaged fuse.
3 Replace the fuse.

Note

- If the new fuse gets damaged again, there may be an internal malfunction. Consult your Philips dealer.

Reset

You can reset the unit to its default setting,
1 Detach the front panel.
2 Press the reset button by using a ball-point pen or a similar tool.
- Preset adjustments such as preset channels and sound adjustments are erased.
10 Product Information

Note

- Product information is subject to change without prior notice.

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<th>Power supply</th>
<th>12 V DC (11 V - 16 V), negative ground</th>
</tr>
</thead>
<tbody>
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<td>Fuse</td>
<td>15 A</td>
</tr>
<tr>
<td>Suitable speaker impedance</td>
<td>4 - 8 Ω</td>
</tr>
<tr>
<td>Maximum power output</td>
<td>50 W x 4</td>
</tr>
<tr>
<td>Continuous power output</td>
<td>21 W x 4 RMS (4 Ω 10% THD)</td>
</tr>
<tr>
<td>Pre-Amp output voltage</td>
<td>2.5 V</td>
</tr>
<tr>
<td>Aux-in level</td>
<td>500 mV</td>
</tr>
<tr>
<td>Dimensions (W x H x D)</td>
<td>181.5 x 52 x 191.4 mm</td>
</tr>
<tr>
<td>Weight</td>
<td>1.47 kg</td>
</tr>
</tbody>
</table>

Radio

- Frequency range - FM: 87.5 - 108.0 MHz
- Frequency range - AM(MW): 522 - 1620 kHz (9 kHz)
  530 - 1710 kHz (10 kHz)
- Usable sensitivity - FM: 8 µV
- Usable sensitivity - AM(MW): 30 µV

Compatible USB devices:
- USB flash memory: USB 1.1 host with interface reading all speed support (1.1, 2.0)
- USB flash players: USB 1.1 host with interface reading all speed support (1.1, 2.0)

Supported formats:
- USB or memory file format: FAT12, FAT16, FAT32
- MP3 bit rate (data rate): 32-320 Kbps and variable bit rate
- WMA V4, V7, V8, V9 (L1, L2)
- MP3 sampling frequencies: 8-48 kHz
- MP3 Bit-rates: 8~320 (kbps), variable bit rates
- WMA sampling frequencies: 32 kHz, 44.1 kHz, 48 kHz
- WMA Bit-rates: 32~192 (kbps), variable bit rates
- Directory nesting up to a maximum of 8 levels
- Number of albums/folders: CD maximum 99, USB or memory maximum 99
- Number of tracks/titles: CD maximum 999 (depending on number of album), USB or memory maximum 999
- ID3 tag v2.0 or later

Unsupported formats:
- Empty albums: an empty album is an album that does not contain MP3/WMA files, and is not shown in the display.
- Unsupported file formats are skipped. For example, Word documents (.doc) or MP3 files with extension .dlf are ignored and not played.
- AAC, WAV, PCM audio files
- DRM protected WMA files (.wav, .m4a, .m4p, .mp4, .aac)
- WMA files in Lossless format
11 Troubleshooting

Caution

• Never remove the casing of this apparatus.

To keep the warranty valid, never try to repair the system yourself.

If you encounter problems when using this apparatus, check the following points before requesting service. If the problem remains unsolved, go to the Philips website (www.philips.com/support). When you contact Philips, ensure that your apparatus is nearby and the model number and serial number are available.

No power or no sound.
• Car engine is not on. Turn the car engine on.
• Cable is not correctly connected. Check connections.
• Fuse is burnt. Replace fuse.
• Volume is too low. Adjust volume.
• If the above solutions cannot help, press RESET button.
• Ensure that the track played is of a compatible format.

Noise in broadcasts.
• Signals are too weak. Select other stations with stronger signals.
• Check the connection of the car antenna.
• Change broadcast from Stereo to mono.

Cannot play disc
• Ensure that the disc label is inserted with the printed side facing up.
• Wipe the disc with fibre cleaning cloth from the centre to the edge in a straight line.
• This disc may be defective. Play another disc.
• Ensure that the CD is a finalised CD/CD-R/CD-RW.
• Ensure that the CD is not encoded with copyright protection technologies.

The CD skips tracks
• Ensure that the CD is not damaged or dirty.
• Ensure that random mode is deactivated.

Disc cannot be ejected
• Press and hold ▲.

Preset stations lost.
• Battery cable is not correctly connected. Connect the battery cable to the terminal that is always live.

Display show ERR-12
• USB data error. Check the USB device.
12 Glossary

M
MP3
A file format with a sound data compression system. MP3 is the abbreviation of Motion Picture Experts Group 1 (or MPEG-1) Audio Layer 3. With the MP3 format, one CD-R or CD-RW can contain about 10 times more data than a regular CD.

R
RDS (Radio Data System)
RDS tuners can automatically tune in stations according to the types of music (or talk) they broadcast. RDS also enables a receiver to display text messages and even graphics (usually call letters and format information) that many FM stations include on a sub-carrier signal within their normal broadcast signal. Some RDS equipped tuners can even override with traffic alerts or emergency broadcasts, during playback of other media - CD, MD, or cassette. There are other useful features too, many of which are offered by the growing number of RDS stations.

W
WMA (Windows Media Audio)
An audio format owned by Microsoft, is a part of Microsoft Windows Media technology. Includes Microsoft Digital Rights Management tools, Windows Media Video encoding technology, and Windows Media Audio encoding technology.