

HD RADIO™ TECHNOLOGY

HD Radio™ provides a digital signal to improve standard AM/FM audio quality. It also provides additional secondary HD channels on FM where available.

As the HD broadcast is carried on existing AM/FM signal, when the audio unit is first tuned to an HD station, initial output is standard AM/FM.

After a few seconds the HD broadcast will gradually blend in, to provide digital sound quality. HD will then be displayed in front of the radio station name (the volume level may change slightly, this is controlled by the individual radio stations).

If a digital signal is unavailable, the AM/FM analogue signal is automatically selected. If the signal is lost while driving, secondary stations will initially be muted and, after a short duration with no audio, they will revert to the standard analogue channel.

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HD RADIO™ RECEIVER OPERATION

Information on storing stations, waveband selection, manual tuning etc., is given earlier in this handbook, see **106, RADIO CONTROLS**.

HD radio, where available, will be selected automatically when the appropriate signal is available in either AM or FM wavebands.

HD radio operates in a very similar way to the standard AM/FM system, with the following differences:

- **Station name:** When HD Radio™ is available, a short station name will be displayed, alongside the letters **HD**.

- **Tuning:** Manual tuning/station search is operated in the same manner as AM/FM, see **106, RADIO CONTROLS**.

To search for available stations, repeatedly press either the **seek up** or **seek down** buttons.

While the signal is being acquired **TUNING** will be displayed.

***Note:** Secondary services can be received on digital channels. Their availability is controlled by the channel provider. If a HD channel features secondary services, they will be displayed as HD1, HD2, HD3 etc. depending on how many are available.*

TUNING TO A SECONDARY SERVICE

If a secondary service is available **HD1** will be displayed.

To access any available secondary services, use the seek up arrow, after the radio has tuned to the primary HD station and **HD1** is displayed in front of the station name.

To tune to secondary channels, use the seek up arrow. The selected channel will be displayed with HD2, HD3, etc. shown in front of the station name. You can move from the secondary channels back to the primary channel, using the seek down arrow.

You must be tuned to the HD1 channel, before you can select any secondary channels.

Secondary channels can be stored as presets and used as normal. However, once selected, a short delay may be observed during which time the audio is muted.

If the signal strength reduces while listening to a secondary service, then **No HD** will be displayed and the audio may be muted.

Note: *If the last of the secondary stations is passed when using the seek arrows then the next analogue station will be selected. There will be a delay while the unit tunes to the next available analogue frequency.*

POOR RECEPTION AND AUTO SWITCHING

In areas of poor reception due to signal masking and transmitter strengths, the HD Radio™ system may switch between the HD Radio primary signal and the corresponding analogue broadcast more frequently. If tuned to a multicast service, the audio may mute more frequently.

If poor reception and auto switching becomes unacceptable, it is recommended that HD is switched off or the user tunes to an HD Radio service with better coverage in their location.