

## HD RADIO™ TECHNOLOGY

HD Radio™ systems provide digital radio broadcasts on AM/FM radio alongside the analogue radio signals. HD Radio technology is capable of providing improved audio quality compared to the analogue broadcast.

The HD Radio digital signal is transmitted at the same frequency as the analogue signal and can also provide additional multicast channel services where available.

To switch the HD Radio feature on and off:

- Select **Settings** on the radio Controls menu. See **116, RADIO CONTROLS**, item **6**.
- Select **HD Off** to deactivate or **On** to activate HD Radio.

HD Radio™ Technology Manufactured Under License From iBiquity Digital Corp. U.S. and Foreign Patents. HD Radio™ and the HD Radio logo are proprietary trademarks of iBiquity Digital Corp.

## HD RADIO™ RECEIVER OPERATION

HD Radio™ technology operates in a very similar way to the standard AM/FM system. See **116, RADIO CONTROLS** for information on storing stations as presets, waveband selection etc.

When an HD Radio signal is detected and received, the tuner gradually blends automatically between the analogue and the digital audio.

**Note:** During this process, a change in volume levels may be experienced. The volume matching between the analogue and digital signal is dependent upon the broadcaster.

If a digital signal is unavailable, the AM/FM analogue signal is automatically selected. If the signal is lost when listening to a multicast service, the audio will be muted.

When tuned to an HD Radio channel, the station name shown in the display, is prefixed by **HD**. If there are multicast services available, the station name will be prefixed by **HD1**.

## TUNING TO MULTICAST SERVICES

Multicast services (extra digital audio channels) can be received on HD Radio™ channel broadcasts. Their availability is dependent upon the channel broadcaster. If an HD Radio channel features multicast services, **HD1** will be displayed.

To access any available multicast services, use the seek buttons on the audio unit. The selected service (HD2, HD3 etc.) will be displayed.

**Note:** If the last of the multicast 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.

Multicast channels can be stored as presets and used as normal. When recalling a multicast preset, a short delay may be experienced during which the audio is muted.

If the signal is lost when listening to a multicast service, the audio will be muted.

## 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.