

NAD 414

AM/FM RDS Tuner

- **RDS facilities: Program Type (PTY), Radio Text (RT), Traffic Program (TP), Program Service (PS), Alternative Frequency (AF)**
- **Selectable Character-display input for non-RDS stations**
- **30 Station random presets in 3 banks**
- **25 kHz tuning steps***
- **Preset scan**
- **IF Wide / Narrow switch**
- **MOS-FET RF section and Front-End**
- **NAD-Link for remote control capability**

Tuners, and in particular RDS tuners tend to be swamped with buttons nowadays, obliterating the obvious advantage that RDS can offer; convenience. With the NAD Model 414 tuner you do get the performance NAD tuners are acclaimed for, combined with the convenience of RDS - but without the plethora of superfluous buttons.

Features

Unlike many other so-called RDS tuners, the NAD Model 414 offers virtually all the facilities that RDS has to offer: PTY will automatically tune in to a station with a specific program type. There are 15 different program types to choose from; Classic, Rock and Pop Music, Sport, News, etc. When the TP function is engaged the tuner will seek a radio station with traffic information. At the touch of a button RT will display additional information broadcast by the radio station, such as the presenter, which music is playing, etc. By engaging AF the tuner will seek the strongest station carrying the same program, if available. Last but not least, PTY will display the name of the radio station tuned to, e.g. BBC 1, so you will always know exactly what station you are listening to. Radio stations without RDS information can be stored in the preset banks with a name of up to eight characters of your choice.

The 30 presets can be programmed at random with either AM or FM stations. Three banks of 10 stations means you can organise the presets to personal preference (his or hers) or program type (rock, classical music, news). Preset Scan scrolls through each preset within a bank until you select the preset you want to listen to.

Thanks to NAD-Link the Model 414 can be remote controlled by one of NAD's universal remote controls which come supplied with other NAD equipment which sports NAD-Link.

Apart from the RDS features, the NAD Model 414 also offers features to get the maximum out of the airwaves. Auto Search automatically stops at the next strong radio signal it comes across and optimises tuning. Weaker radio stations can be tuned into manually. Most other tuners on the market take 50 kHz tuning steps on the FM band but the Model 414 takes 25 kHz steps*, allowing for more precise and accurate tuning. The Wide / Narrow bandwidth switch eliminates or reduces interference from adjacent radio stations.

The MOS-FET RF section and Front End design together with high quality components and careful PCB lay-out guarantees excellent sensitivity with low intermodulation distortion to provide noise-free reception. The NAD Model 414 even switches automatically to higher sensitivity for weak radio stations and switch to lower sensitivity for very strong signals which might otherwise overload the Front-End tuning section, causing distortion. Although AM can never reach the quality of any FM transmission, the Model 414's AM section retains clarity together with low background noise.

Whether you are looking for excellent performance, ease of use or the convenience of RDS, the Model 414 offers all these with the low price / high performance ratio that NAD is so renowned for.



SPECIFICATIONS - NAD Model 414

FM TUNER SECTION

Usable input sensitivity

FM Mono: 11.2 dBf, 1.0 μ V, IHF
0.9 μ V, DIN

FM Stereo: 17.2 dBf, 2.0 μ V, IHF
20 μ V, DIN

50 dB Quieting sensitivity

FM Mono: 16.1 dBf, 1.7 μ V

FM Stereo: 36.1 dBf, 20 μ V
1.5 dB

Capture Ratio (FM)

Image Rejection

80 dB

IF Rejection

FM Mono: 76 dB

FM Stereo: 70 dB

Harmonic Distortion

FM Mono: 0.1%

FM Stereo: 0.2%

Frequency Response

30Hz - 15 kHz (\pm 1.5 dB)

AM TUNER SECTION

Usable Sensitivity

10 μ V

Selectivity

30 dB

Image Rejection

40 dB

IF Rejection

40 dB

Signal / Noise Ratio

40 dB

Harmonic Distortion

0.7%

PHYSICAL SPECIFICATIONS

Dimensions (W x H x D)

435 x 96 x 290mm

Net weight

3.5kg

Shipping weight

4.5kg

*120V models take 100 kHz steps, not 25kHz.

NOTE: NAD reserves the right to change specifications or design at any time without notice. All specifications are those in effect at time of printing.