

## Sonata AR30 Amplifier



The AR30 FM/AM integrated 2.1 receiver proves Sonata's beauty is way more than skin deep. Using a substantial toroidal transformer and fully discrete amplification, this receiver offers genuine hi-fi performance and an impressive 40 Watts per channel (8 Ohms) of controlled, refined power.

The on-board high sensitivity tuners include twenty presets for instant access radio to

stations. Micro surface-mount circuit technology further improves performance by reducing signal paths to the absolute minimum. This produces a highly detailed and rich soundstage – ideal for any room in the home and is perfectly developed to handle music and movies with aplomb.

## Detailed Specifications

### AMPLIFIER

|                       |   |
|-----------------------|---|
| Power output          | 40 watts per channel (into 8 Ω)                         |
| THD                   | <0.05% 20Hz-20kHz @ 80% max power<br><0.009% @ 1kHz 10w |
| Frequency response    | 10Hz – 50kHz +/- 1dB                                    |
| S/N ratio (ref 1w)    | >80dB 'A' weighted                                      |
| Line input impedances | 47kohms (CD, DVD, Aux and MP3 inputs)                   |
| Tone controls         | +/-12dB @ 100Hz and 10kHz (shelving)                    |
| Headphone output      | 3.5mm stereo mini jack 8-32ohm headphones recommended   |

### TUNER

|                 |  |
|-----------------|--|
| Bands           | AM (530-1710kHz)<br>FM/VHF (87.5MHz to 108 MHz)                                    |
| Aerial inputs   | FM 75ohms, Coaxial. AM 300 ohms wire loop / single wire                            |
| Signal to noise | 60dB typical (FM)  |
| Distortion      | <0.2% @ 1kHz 50kHz deviation (FM mono)<br><0.6% @ 1kHz 50kHz deviation (FM stereo) |

### DD30 iPod dock

|           |  |
|-----------|--|
| THD       | <0.009% @ 1kHz   |
| S/N ratio | <-80dB re 2V output  |
|           | Made for iPod Mini, iPod (4th, 5th generation), iPod Nano (1st, 2nd, 3rd, 4th generation), iPod classic, iPod touch (1st, 2nd generation). Compatible with: iPhone (flight mode recommended) |

### GENERAL

|                           |   |
|---------------------------|---|
| Trigger outputs           | 3 x 12V @ 30mA, 3.5mm jack, Tip positive<br>Corresponding to CD, DVD and Aux inputs |
| Power supply              | AR30-EU: 230V AC ~ 50Hz (UK/EU)<br>AR30-CU: 115V AC ~ 60Hz (CU/US)                  |
| Max. power consumption    | 300W  |
| Standby power consumption | <3W   |
| Dimensions                | 270 x 67 x 285mm (W x H x D)  |
| Weight                    | 4.0kg (8.6lbs)  |



## Sonata DR30 Amplifier



The DR30 DAB/FM integrated 2.1 receiver proves Sonata's beauty is way more than skin deep. Using a substantial toroidal transformer and fully discrete amplification, these receivers offers genuine hi-fi performance and an impressive 40 Watts per channel (8 Ohms) of controlled, refined power.

The on-board high sensitivity tuners include twenty presets for instant access to digital and analogue radio stations. Micro surface-mount circuit technology further improves performance by reducing signal paths to the absolute minimum. This produces a highly detailed and rich soundstage – ideal for any room in

the home and is perfectly developed to handle music and movies with aplomb.

The custom designed Sonata iPod dock was developed with the rest of the system for ultimate ease of use. This is explicitly demonstrated by the Navigator remote which controls not only the whole hi-fi but also iPod functions such as track skip and volume.

Sonata's bespoke iPod dock counters this using quasi-differential noise cancelling technology which eliminates these detrimental effects whilst also buffering the audio for low impedance transmission to the amplifier.

## Detailed Specifications

### AMPLIFIER

|                       |   |
|-----------------------|---|
| Power output          | 40 watts per channel (into 8 Ω)                         |
| THD                   | <0.05% 20Hz-20kHz * 80% max power<br><0.009% @ 1kHz 10w |
| Frequency response    | 10Hz – 50kHz +/- 1dB                                    |
| S/N ratio (ref 1w)    | >80dB 'A' weighted                                      |
| Line input impedances | 47kohms (CD, DVD, Aux and MP3 inputs)                   |
| Tone controls         | +/-12dB @ 100Hz and 10kHz (shelving)                    |
| Headphone output      | 3.5mm stereo mini jack 8-32ohm headphones recommended   |

### TUNER

|                 |  |
|-----------------|--|
| Bands           | FM/VHF (87.5MHz to 108MHz)<br>DAB Band 3 (175MHz to 240MHz)<br>DAB L Band (1453MHz to 1491MHz)                       |
| Aerial inputs   | Combined FM/DAB: 50-75 ohms, F-Type  |
| Signal to noise | 80dB typical (DAB)<br>60dB typical (FM)  |
| Distortion      | <0.01% @ 1kHz 2V rms o/p (DAB)<br><0.2% @ 1kHz 50kHz deviation (FM mono)<br><0.6% @ 1kHz 50kHz deviation (FM stereo) |

### DD30 iPod dock

|           |  |
|-----------|--|
| THD       | <0.009% @ 1kHz   |
| S/N ratio | <-80dB re 2V output  |
|           | Made for iPod Mini, iPod (4th, 5th generation), iPod Nano (1st, 2nd, 3rd, 4th generation), iPod classic, iPod touch (1st, 2nd generation). Compatible with: iPhone (flight mode recommended) |

### GENERAL

|                           |   |
|---------------------------|---|
| Trigger outputs           | 3 x 12V @ 30mA, 3.5mm jack, Tip positive<br>Corresponding to CD, DVD and Aux inputs |
| Power supply              | DR30 – EU: 230V AC ~ 50Hz (UK/EU/AU)  |
| Max. power consumption    | 300W  |
| Standby power consumption | <3W   |
| Dimensions                | 270 x 67 x 285mm (W x H x D)  |
| Weight                    | 4.0kg (8.6lbs)  |



## Sonata CD30 CD player



The audiophile CD30 player features an entirely new servo transport solution providing the ultimate platform for which Cambridge Audio is renowned and shuns the DVD-ROM derived design commonplace in this category.

The CD30 uses a high grade Wolfson WM8716 DAC (digital to analogue converter) for sensational sound and stereo imaging and switches on automatically when CD source is selected from the receiver.

## Detailed Specifications

|                             |   |
|-----------------------------|---|
| Disc types                  | CD(CD- DA), CD – R/RW                                 |
| D/A converter               | Wolfson Microelectronics WM8716 24-Bit/192kHz capable |
| Frequency response          | 20Hz – 20kHz (+/-0.5dB)                               |
| THD                         | <0.003% @ 1kHz 0dBFs<br><0.005% 20Hz – 20kHz 0dBFs    |
| Linearity                   | +/- 1dB @ -90dBFs                                     |
| Stopband rejection (>24kHz) | >90dB   |
| S/N ratio                   | >90dB   |
| Total correlated jitter     | <300pS  |
| Crosstalk @ 1kHz            | <-100dB   |
| Crosstalk @ 20kHz           | <-80dB  |
| Output impedance            | <50ohms   |
| Power supply                | All versions 100-240V AC ~ 50/60Hz                    |
| Max. power consumption      | 7W  |
| Standby power consumption   | <5W   |
| Dimensions                  | 270 x 67 x 285mm (WxHxD)                              |
| Weight                      | 2.3kg (5.0lbs)  |



# Sonata CD30 CD player

## Sonata DV30 DVD player



For those wishing to make the most of their DVD library without resorting to the complexity of a full multi-channel set-up, the accompanying DV30 DVD player is hard to beat.

With a high specification chipset upscaling to 1080p over HDMI, it produces extremely crisp pictures with faithfully rendered tones and the deepest blacks.

A subwoofer output allows the DV30's LFE channel to be routed via the receiver for true 2.1 performance from movies, whilst the receiver can also create a subwoofer channel from stereo inputs if desired.

## Detailed Specifications

|                           |   |
|---------------------------|---|
| Disc types                | CD(CD- DA), DVD-V, CD-R/RW, DVD-R/RW, DVD+R/RW, DivX, MP4   |
| D/A converter             | Wolfson Microelectronics<br>WM8746 24-Bit/192kHz capable  |
| Analog audio outputs      | 2.1: Stereo + Subwoofer<br>Stereo LPCM or downmix from Dolby PLII/Ix, Dolby Digital 5.1/EX 6.1                          |
| Analog video outputs      | Component Video (CVBS)<br>S-Video (SVHS)<br>SCART (RGB, Stereo Audio and Composite Video)<br>Component (YCbCr or YPbPr) |
| HDMI output               | Scaling/Deinterlacing to 480p, 576p<br>720i, 720p, 1080i, 1080p   |
| THD                       | <0.003% @ 1kHz<br><0.008% 20Hz – 20kHz  |
| S/N ratio                 | <-90dB  |
| Crosstalk @ 1kHz          | <-95dB @ 1kHz   |
| Frequency response        | 5Hz – 20kHz ±0.3dB  |
| Composite video           | 1.0V pk-pk (75 ohms)  |
| S-Video                   | Y: 1.0V pk-pk (75 ohms)<br>C: 0.286V pk-pk (75 ohms)  |
| Component video           | Y: 1.0V pk-pk (75 ohms)<br>Cb/Cr : 0.75V pk-pk (75 ohms)<br>Pb/Pr: 0.75V pk-pk (75 ohms)                                |
| Power supply              | All versions 100-240V AC ~50/60Hz   |
| Max. power consumption    | 12W   |
| Standby power consumption | <4W   |
| Dimensions                | 270 x 67 x 285mm (W x H x D)  |
| Weight                    | 2.3kg (5.0lbs)  |

