

# NAD 317

## Integrated Amplifier

- **2 x 80 Watts continuous power into 8 ohms**
- **2 x 250 Watts dynamic power into 2 ohms**
- **Remote control**
- **Building Block Concept: power amp is NAD's Model 214**
- **Pre-out / Main-in**
- **All Discrete circuitry**
- **Tone controls defeat switch**
- **Bridgeable: 240 Watts into 8 ohms**
- **Input switching through relays with Gold Plated contacts**
- **Soft Clipping**

Since its introduction, the NAD Model 214 Power Amplifier has enjoyed a strong following and tremendous reputation throughout the world for its performance and reliability. The latest addition to NAD's range of integrated amplifiers is the Model 317 which is very closely related to the Model 214. In fact, the entire Power amplifier inside the Model 317 is identical to that of the Model 214.

### Flexibility

Flexibility is a traditional strong NAD point. The Model 317 has 6 line inputs (including 2 tape in/outputs with dubbing facility both ways). By removing the links between the Pre-out and Main-in sockets the pre-amplifier section can be separated from the power amplifier for easy upgrades (bi-amping, for instance) or adding ancillary equipment. As the built-in power amp of the Model 317 is identical to that of the NAD Model 214 you can easily triple the output power to your speakers by adding a Model 214 to your system. Bridge both power amplifiers and you have increased the power of your system to 2 x 240 Watts continuous into 8 ohms. Thanks to this "Building Block Concept" your Model 317 doesn't need to be made redundant to upgrade.

### Performance

Rather than using electronic switching between sources, the NAD engineers have opted for using relays as these will give better performance at this price level. To ensure long term reliability only relays with gold-plated contacts have been used. The input selector relays are located as closely as possible to the input sockets to minimise cross talk and interference. As with the relays, all input and output sockets are gold plated to ensure reliable signal transfer. A generous power supply (the same massive Holmgren™ Toroidal transformer as the Model 214 is used) and over-rated output devices further lead to low noise and low distortion.

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The overall high level of performance is achieved by using discrete circuitry only and high quality close-tolerance components such as metal film resistors and polypropylene capacitors. As one would expect from any NAD amplifier, the Model 317 will drive loudspeakers with complex loads (such as low impedances) with great ease. The Model 317 also incorporates NAD's acclaimed switchable "Soft Clipping" circuit which significantly reduces the risk of damage to loudspeakers due to prolonged high power operation. Apart from operating the Model 317, the remote control supplied with the 116 will also operate many other NAD components. The NAD Link sockets provide for communication between the other NAD components for complete control.

Convenience, flexibility and, above all, performance, are the hallmarks of the NAD Model 317. Consistent with NAD's reputation the Model 317 is somewhat of a bargain when compared to amplifiers with similar performance.



## Specifications - NAD 317

Continuous average power output into 8 <small>(Min power per channel, 20Hz - 20kHz both channels driven with no more than rated distortion)</small>		80W (19dBW)
Rated distortion <small>(20Hz - 20 kHz)</small>		0.03%
Clipping power <small>(max continuous power per channel)</small>		105W (20.2dBW)
IHF dynamic headroom at 8		+1.5dB
IHF dynamic power <small>(max short term power per channel)</small>	8	110W (20.4dBW)
	4	180W (22.6dBW)
	2	250W (23.9dBW)
Damping factor (ref. 8 50Hz)		>200
Frequency response	20Hz - 20kHz	$\pm 0.3$ dB
	2Hz - 100kHz	$\pm 3$ dB
THD + SMPTE I.M. + IHF I.M		<0.03%
Input impedance <small>(R and C)</small>		20k /500pF
Input sensitivity <small>(ref. rated power)</small>		165mV
Signal to noise ratio <small>(A weighted)</small>		90dB ref. 1W
		104dB ref. rated power
Treble control		$\pm 7$ dB at 10kHz
Bass control		$\pm 10$ dB at 50Hz

## Physical specifications

Dimensions <small>(W x H x D)</small>	435 x 128 x 383mm
Net weight	12.1kg
Shipping weight	13.6g

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.