

# The DX Shop

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...going the extra mile

## LINEARamp

### Gemini 2 - 144MHz 300W Solid State Linear Amplifier

#### GEMINI 2



Designed, manufactured and assembled entirely the UK, the all new GEMINI linear amplifier is a solid state linear amplifier with 300W output available in 6, 4 and 2m versions.

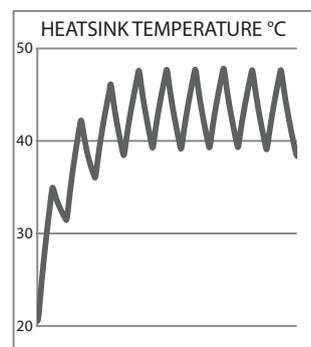
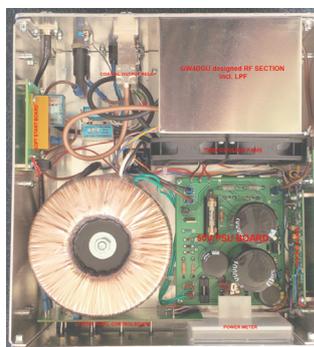
Designed to fill a market gap between the low power outputs of transverters and smaller rigs and the 1kW plus amplifiers that not all users want or can afford the Gemini range combines low drive requirements with instant-on solid state convenience in a compact stylish package.

With an RF section designed exclusively for us by world class RF engineer Chris Bartram GW4DGU (of Mutek fame), Gemini uses the latest Freescale MRFE6VP6300H LDMOS device for high performance and maximum ruggedness. This, combined with built in protection for overdrive, high SWR and over temperature will ensure solid reliable performance for many years to come.

GEMINI incorporates a complete soft start 50V linear power supply providing a fully integrated solution.

Advanced thermal control ensures high RF outputs for long periods can be maintained - ideal for MGM and contest use.

- 300W output solid state amplifier
- Freescale MRFE6VP6300H LDMOS
- Integral 50V Linear Power supply with soft start
- Drive requirements 3-25W (specified at purchase)
- Advanced cooling for MGM operation
- Full protection for overdrive/swr/temperature
- N-Type connectors on input and output
- All aluminium chassis
- Two year warranty



#### Specifications

Frequency coverage	144-148 MHz
Power output @ 1dB compression	300W
Power output @ -30dB IMD3	>250W
Input power	3-25W (specified when ordered)
Spurious outputs	<-70dB wrt 300W
Input return loss	>13dB
Efficiency (RF)	>65%
RF Device	1 x Freescale MRFE6VP6300H
Protection	Overdrive, SWR, Over Temperature
Relays	Coaxial Output
Metering	RF output
Power requirements	230V AC 50/60Hz
Dimensions mm	270w x 300d x 120h
Weight	10Kg

Price excl. VAT: £749.17 Price incl. VAT: £899.00

SPID Rotators • QRO Coaxial Relays • Low Pass Filters • Aerial splitters • Westflex • Andrew Heliax Coaxial • Signalink

The complete Linear Amp range • Discovery 6 • Discovery 2 • Discovery 70 • Pioneer • Challenger • Gemini 6,4,2