

# Pioneering new technology for even more reliability

 TubeSync

Hiwatt team up with TubeSync to further optimise performance



Introducing TubeSync<sup>®</sup>

Famed for their legendary reliability and tone, Hiwatt have gone one step further in the reliability stakes by employing TubeSync technology in their already bulletproof amplifiers.

The technology has been developed in order to overcome problems associated with conventional tube amplification such as biasing, tube longevity and overall reliability. The collaboration has achieved improved amplifier design without changing the fundamental amplification process and without altering the classic Hiwatt tone and sound.

*Improving amplifier design, performance and efficiency*

Although not an integral part of the amplification process, TubeSync is connected to the heart of the amp's circuitry, constantly testing and monitoring. It's like having an amp technician working full time inside the box. The result is the eradication of many of the problems hampering conventional tube amplifiers.



- Eliminates the need for bias current matching of output tubes
- Micro-adjusts the bias on each tube to ensure its full potential is realised
- Assures reliability
- Maintains optimum performance
- Increases tube life
- Reduces quiescent power consumption
- Detects tube failure and prevents catastrophic damage to amp
- Predicts remaining tube life and informs the user when a tube needs to be replaced
- Switches out faulty tubes and runs amp at half power until the tube can be changed