



FAQ

What is the difference between a DRG100 & the IPR Range?

The DRG100 or Digital Radio Gateway has been introduced as a core part of Omnitronics' product range. Working similar to the IPR range, it provides an interface to connect disparate radios onto an IP network.

However, the DRG100 has been designed to specifically work with our DX-Altus and other possible future digital dispatch solutions. This presents 4 core differences from the IPR Range:

1. DRG100 for Digital, IPR100 for Analogue

Digital Radio presents an additional array of challenges for radio network infrastructures and the DRG100 addresses these challenges. In particular, the addition of data functions such as text messaging, location services and individual calling requires extra engineering for how these are handled. The DRG100 supports these capabilities.

2. The DRG100 incorporates our unique CCP (Capabilities & Contracts Protocol)

In order to further Omnitronics' philosophy of vendor and protocol independence, the DRG100 has been designed to translate a large range of digital protocols (e.g. DMR, P25, MotoTRBO and more) into one common protocol for your network, CCP. This is all done without the loss of the capabilities each of these protocols provide.

3. The DRG100 has built-in Hardware for the IMBE and the AMBE+2 vocoders

The IMBE and AMBE+2 vocoders enable low-bit-rate speech compression providing superior speech quality whilst requiring less IP bandwidth. They also aid in reducing background noise.

4. The DRG100 has a newer DSP Processor

The newer DSP Processor has more power to support digital radio functionality such as data applications and to help meet future demands.

In summary, the DRG100 has been designed to meet the demands of Digital Radio whilst the IPR Range continues to support Analogue Radios and enabling those on Analogue networks to reap the benefits of Radio over IP.



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Disclaimer: The information contained in this document is to be used as a general guide only. Please refer to the Technical Manual provided with your product for more complete information.



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