



AT-A-GLANCE

Icom P25 Repeaters

DRB-25



Applications

The DRB-25 may be configured with one or two independent or linked Channels . Each channel may operate as an analog and/or P25 digital repeater, or may also be programmed to auto-sense the mode of a received signal and thus be shared between analog and digital users.

The DRB-25 may link difference bands which is useful where a VHF repeater is used to provide area coverage and a UHF repeater is used as a control link.

The DRB-25 may also be used to link different modes which are applicable during a migration to digital operation or to provide interoperability between analog and digital users.

Modes	<ul style="list-style-type: none"> - Analog / Analog - Digital / Digital - Analog / Digital
P25 Auto Sense	Yes
Signaling	<ul style="list-style-type: none"> • CTCSS • CDCSS • NAC - P25 Signaling
Versions	136-174 MHz 380-420 MHz 400-470 MHz 450-520 MHz
Output Power	VHF: 10-100W UHF: 5-50W (100W version coming soon)
General Specs	<ul style="list-style-type: none"> • 512 channels • 12.5/15/24/30 kHz channel spacing
Tx Specs	<ul style="list-style-type: none"> • Spurious Emissions 100 dB (VHF), 90 dB(UHF) • Adjacent Channel • Audio Distortion <2% (WB and NB analog)
Rx Specs	<ul style="list-style-type: none"> • Receive Sensitivity -118 dBm/0.25 uV (VHF and UHF) • Spurious Response Rejection 90 dB (VHF and UHF) • Intermodulation Rejection 85 dB (VHF and UHF)
Encryption	Digital DES encryption – Base Station Mode
Control Signaling	Supports 2/4 Wire- E&M Signalling- PSTN Optional IP based Controller provides diagnostics and alarming information via Ethernet and basic dispatch operation- TX and RX. View NAC- Signal Strength- GID information – Real Time