

RTS



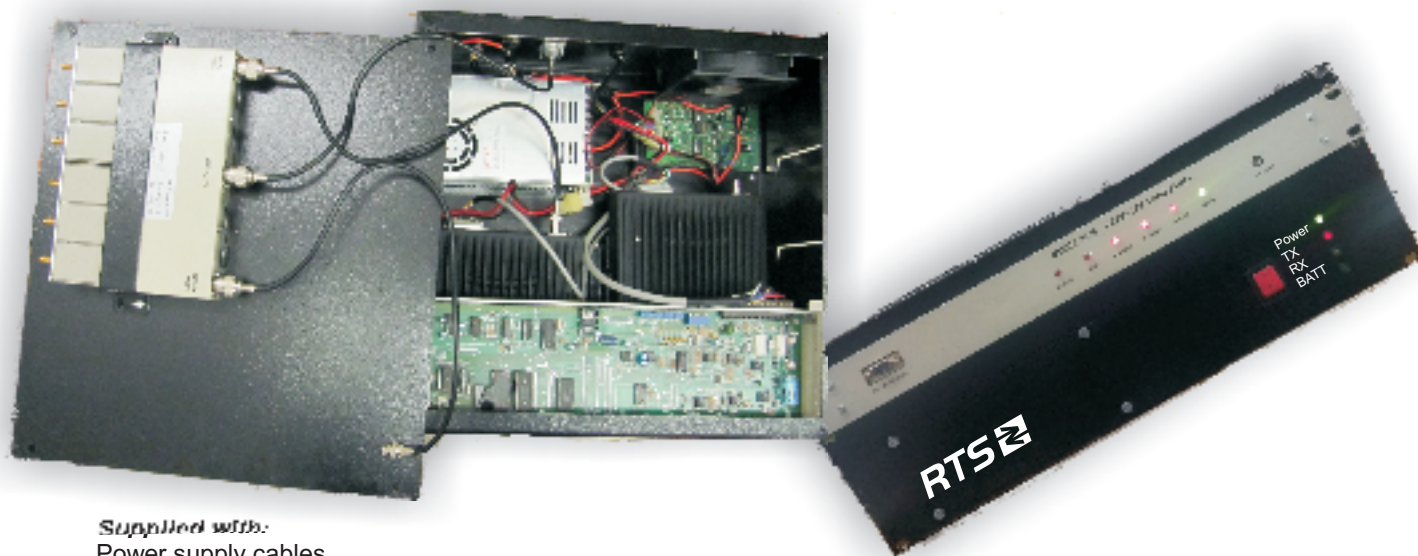
Technical specifications are preliminary and subject to change.

Models/code

RTS DV 2066	(66~88	Mhz)	ICASA	TA-2009/014
RTS DV 2135	(136~174	Mhz)	ICASA	TA-2009/013
RTS DV 2400	(400~470	MHz)	ICASA	TA-2012/775

Description/Definition:

Basic repeater station, including power supply, duplexer and signal control board.



Supplied with:

- Power supply cables,
- Duplexer,
- Tone Panel (optional)
- Antenna cables for duplexer,

Compatible with:

Main features and advantages ("what's useful for")

Feature	Advantage
> Easy of use	Easily programmable
	Easy after-sale servicing
> Compact	Facilitates installation procedure

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Main Technical features:

Operation	Simplex, semiduplex, full duplex and 100% continuous use	Transmitter	
Modulation	FM (F3E)	Output power	Adj. 4 ~ 50 Watts
Channel	255	TX Current	5 Amp
Frequency band	LHF 66-88; VHF 136-174 MHz; UHF 400-470 MHz	Modulation	FM
Channel spacing	12,5KHz, 25KHz programmable and channel dependant	Audio Distortion	<5%
Frequency Stability	± 4ppm VHF, ±2.5 UHF	Audio Response	300~3000Hz(+1,-3dB)6dB/Oct
Signalling System	CTCSS Enc-dec, DCS, Selcall fixed Multistandard	FM Noise	-40dB/12.5KHz
Duplexer	6 cells	Harmonic	<-60dB
Operating temperature	-25/+55° C	Max.Deviation	2.5KHz
Transmitter		Adjacent Channel Power	<-60dBc/12.5KHz
RF Power Output	4-50 W channel dependent	Start Time	<70m Sec
Receiver		Time-out Timer	0-240Sec
Sensitivity	better than 0.30uV	Receiver	
Power supply		Sensitivity	0.25uV(12dB SINAD EIA) 0.5uV (20dB SINAD ETS)typical
Power Supply (Housing with fan)	13.8 Vdc	Audio Response	300-3000Hz(+1,-3dB) 6dB/Oct
Battery (optional)	Battery Charger 13.8 Vdc 6A max	Audio Power output	>2W@10%
Protection	Line Fuse 5 A; Battery Fuse 10A	FM Noise	-40dB/12.5KHz
HW configuration		Selectivity	>60dB/12.5KHz
Box	Rack 19 " 3 U	Intermodulation	>60dB
Connector rear panel	VDE power supply	spurious Rejection	>70dB
	Battery connector	RTS (Repeater & Trunking Systems) 7 Charl Cilliers Street, Senekal, Free State South Africa Tel: 086 100 2525 Fax: 086 659 9504 Website: www.repeater.co.za	
	DB25 accessory		
	N Tx out		
	N Rx in		
	N Duplexer Tx in		
	N duplexer Rx out		
	N antenna	Your local Dealer 