



R V R BRAVO-TX Broadcast Systems Radio Links User Manual

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R V R BRAVO-TX Broadcast Systems Radio Links User Manual



Radio Bridge Line covering the frequency bands from 200 MHz to 2.5 GHz and various optional accessories.

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ORDERING INFORMATION

Model	Description
BRAVO-TX	Radio Link TX from 200 MHz to 2.5 GHz in step of 20 MHz. Please specify the operating frequency at the order.
BRAVO-TX-GHZ	10W Radio Link Transmitter 1,3 – 2,5 GHz (sub-band £5MHz). Please specify the operating frequency at the order.
BRAVO-TX/20	20W Radio Link Transmitter 200-960MHZ (sub-band +10MHz). Please specify the operating frequency at the order.
BRAVO-TX/30	30W Radio Link Transmitter 200-960MHZ (sub-band +10MHz). Please specify the operating frequency at the order.

OPTION

[RDS-BRAVO-TX	RDS built-in. Option for BRAVO TX Series.
/SC-BRAVO-TX	Stereo decoder card. Option for BRAVO RX Series.

ORDERING INFORMATION

Model	Description
BRAVO-RX	Radio Link RX 200 MHz to 2.5 GHz. Please specify the operating frequency at the order.

RADIO LINKS SYSTEM



BRAVO-TX

Radio Links.



BRAVO-RX

Radio Links.





BRAVO-TX-Hi-Band

Radio Links.



BRAVO-RX-Hi-Band

Radio Links.



BRAVO-TX

Parameters		Value	Notes
Frequency Range:		200~960 MHz <20 MHz	Sub-band
Type of Modulation		FM Class F3	
VCO Tuning	MHz	25	
Frequency Stability	ppm	± 2,5	(Better On request)
Synthesizer Step	KHz	25	
Power Output		10W or 20W (-H)	
Spurious Emission		< -80 dB or better	
Harmonic Emission	dB	< -65	(-80 dB on request)
Stereo Separation		> 55 dB @ 1 KHz	
Distorsion		< 0.2% (TYP 00.8 %) @ 1KHz)	
Base Band		30 Hz – 60 KHz within 0.15 dB	
Unweighted S/N Ratio		> 72 dB rms at 30 Hz ~ 20 KHz	
Enphasis	μS	50 or 75	Selectable
RF Connectors	ohm	N-F 50	
Input Base Band Imp.	Kohm	2	
Input Mono Impedence	Ohm	600	
Cooling		Forced air	
OP. Temperature Range		0 ÷ +50°C	
Maximum Umidity	%	90	
AC Supply		100 ÷ 240 Volt; 47 ÷ 63 Hz	
Dimension		1 Units Rack 19" 4 cm Depth	
Weight	Kg	6.8	

BRAVO-RX

Parameters		Value	Notes
Frequency Range:		200~960 MHz <20 MHz	Sub-band
Type of Modulation		FM Class F3	
VCO Tuning	MHz	25	
Frequency Stability	ppm	± 2,5	(Better On request)
Synthesizer Step	KHz	25	
Image Rejection		60dB Typ.	
RN Noise Figure		6dB or lower	
Stereo Separation	dB	> 45 dB @ 1 KHz	
Distorsion		< 0.5% (TYP 0.2 % @ 1KHz)	
Base Band		30 Hz – 60 KHz with in 0.08 dB	
S/N Ratio		> 72 dB with 0.2 mV input (Typ 78 dB)	
Deemphasis		50 or 75 µs int.	Selectable
RF Connectors	µS	N-F 50 ohm	
B. Band-IF Conn.	ohm	BNC-F	
Base-Band Imp.	ohm	< 30	
Cooling		Forced air	
P. Temp. Range		0 ÷ +50°C	
Maximum Humidity	%	90	
AC Supply		100 ÷ 240 Volt; 47 ÷ 63 Hz	
Dimension		1 Units Rack 19" 4 cm Depth	
Weight	Kg	6.2	

All pictures are RVR's property and they are only indicative and not binding. The pictures can be modified without notice. These are general specifications. They show typical values and are subject to change without notice.

BRAVO-TX-Hi -Band

Parameters		Value	Notes
Frequency Range:		1.4~2.5 GHz <10M Hz	Sub-band
Type of Modulation		FM Class F3	
Frequency Stability	ppm	± 2,5	(Better 0n request)
Synthesizer Step	KHz	50	
Power Output		5W or 10W (-H)	
Spurious Emission		< -80 dB or better	
Harmonic Emission	dB	< -65	(-80 dB on request)
Stereo Separation		> 55 dB @ 1 KHz	
Distorsion		< 0.2% (TYP 00.8 %) @ 1KHz)	
Base Band		30 Hz – 60 KHz with in 0.15 dB	
Unweighted S/N Ratio		> 74 dB rms at 30 Hz ~ 20 KHz	
Preemphasis	µS	0 or 50 or 75	Selectable
RF Connectors	ohm	N-F 50	
Input Base Band Imp.	Kohm	2	
Input Mono Impedence	Ohm	600	
Cooling		Forced air	
OP. Temperature Range		0 ÷ +50°C	
Maximum Umidity	%	90	
AC Supply		100 ÷ 240 Volt; 47 ÷ 63 Hz	
Dimension		1 Units Rack 19" 4 cm Depth	
Weight	Kg	6.8	

BRAVO-TX-Hi -Band

Parameters		Value	Notes
Frequency Range:		1.4 – 2.5 GHz	Sub-band
Type of Modulation		FM Class F3	
Frequency Stability	pp m	± 2,5	(Better On request)
Synthesizer Step	KH z	50	
Image Rejection		60dB Typ.	
RN Noise Figure		6dB or lower	
Stereo Separation	dB	> 45 dB @ 1 KHx	
Distorsion		< 0.5% (TYP 0.2 % @ 1KHz)	
Base Band		30 Hz – 60 KHz wit hin 0.08 dB	
S/N Ratio		> 72 dB with 0.2 m V input (Typ 78 dB)	
Deenphasis		50 or 75 µS int.	Selectable
RF Connectors	µS	N-F 50 ohm	
Base-Band Imp.	oh m	< 30	
Cooling		Forced air	
P. Temp. Range		0 ÷ +50°C	
Maximum Umidity	%	90	
AC Supply		100 ÷ 240 Volt; 47 ÷ 63 Hz	
Dimension		1 Units Rack 19" 4 4 cm Depth	
Weight	Kg	6.2	



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CERTIFIED MANAGEMENT SYSTEM



Documents / Resources

	R V R BRAVO-TX Broadcast Systems Radio Links [pdf] User Manual BRAVO-TX Broadcast Systems Radio Links, BRAVO-TX, Broadcast Systems Radio Links, Systems Radio Links, Radio Links
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References

-  [R.V.R. Elettronica - Broadcast Systems](#)

Manuals+.