

# BLACKBOX SERIES G4S W-DMX™

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## PRODUCT CUT SHEET



	BLACKBOX F-1 TRANSCEIVER	BLACKBOX F-2 TRANSCEIVER	BLACKBOX R-512 RECEIVER
<b>Input protocols</b>			
USITT DMX 512 & DMX 512-A		Yes	
ArtNet I/II/III, s/ACN	Yes, optional	Yes, optional	No
RDM ANSI E1.20 <sup>(2)</sup>	Yes	Yes	No
<b>DMX Structure</b>			
Number of universes per device	1	2	1
Number of DMX channels	512	1024	512
DMX Latency	< 5 ms	< 5 ms	< 5 ms
Max. Universes in coexistence	32	64	N/A
Input/Output opto isolation	Yes	Yes	No
Error correction (Invisi-Wire)		Yes	
DMX Fidelity (Data-Safe)		Yes	
<b>Radio Technology</b>			
Adaptive Frequency Hopping		Yes	
W-DMX™ G3 compatibility		Yes	
2.4 GHz		Yes	
5.8 GHz <sup>(1)</sup>		Yes	
Standard range	Up to 700 meters (line-of-sight)		
Expandable range	Unlimited (with optional antennas)		
External Antenna		Yes	
Sensitivity (0.1% PER)		-97 dBm	
Modulation Method		GFSK	
Normal Power Mode 2.4 GHz		100mW	
Maximum Power Mode 2.4 GHz		Up to 450mW	
<b>Connectors</b>			
DMX Connectors	XLR 5-Pin Male & Female XLR 3-Pin Male & Female Ethercon® connector	2 XLR 5-Pin Male 2 XLR 5-Pin Female Ethercon® connector	2 XLR 5-Pin Female 2 XLR 3-Pin Female
AC Input	PowerCon® 90-250V / 50 - 440 Hz		
DC Input	Phoenix 12-24V		
Antenna Connector	N-Type		
Supplied Accessories	3dBi omni-directional antenna, phoenix connector, mounting brackets, 90° angle adapt.		
<b>Physical</b>			
Net Weight	1 Kg [2.2 lb.]		
Gross Weight	1.5 Kg [3.31 lb.]		
Packed Dimensions	W x D x H: 260 x 210 x 70 mm [10.2" x 8.3" x 2.8"]		
Product Dimensions			
<b>Mounting</b>			
Mounting Brackets	Included		
Clamp Style	C-Clamp with Quick Lock		
<b>Environmental</b>			
Temperature Range	0° C - 45° C [32° F - 113° F]		
Humidity	90%		
IP Rating	IP 41		

<sup>(1)</sup> 5.8 GHz is not available in all countries, please check with your local distributor.

<sup>(2)</sup> RDM only available in G4S radio modes. Covered by one or more claims of patent No 7,432,803, and/or by other patent applications and corresponding foreign patent applications pending.

Radio cards are ETL and c/ETL approved.

Certified Worldwide (FCC, ETL and c/ETL (Radio Cards), ETSI, CE, Taiwan and Russia)

WIRELESS SOLUTION  
MADE IN SWEDEN



CANADA ICES-003



RFL-CFA E1551