

WIRELESS SOLUTION
MADE IN SWEDEN



BLACKBOX F-2 G5

The **W-DMX™ BlackBox G5** is our most popular of the series, using our patented Adaptive Frequency Hopping technology to automatically avoid interference created by other wireless networks, for example W-LAN, wireless intercoms, stage automation systems and more. G5 supports 2.4GHz, 5.2 GHz and 5.8GHz frequency bands, these triple-band units have full RDM support in transceiver models, and even the most complex installations can be configured wirelessly. With simple slot adjustments, the BlackBox can be integrated into larger, more complex installations.



PRODUCT CUT SHEET

Input protocols

Double-Up Mode
ArtNet I/II/III, s/ACN
RDM ANSI E1.20 (2)

DMX Structure

Number of universes per device
Number of DMX channels
DMX latency
Max.Universes in coexistence
Input/Output opto isolation
Error correction (Invisi-Wire)
DMX Fidelity (Data-Safe)

Radio Technology

Adaptive Frequency Hopping
W-DMX G3 & G4S compatibility
2.4 GHz
5.2 & 5.8 GHz (1)
Standard range
Expandable range
External Antenna
Sensitivity (0.1% PER)
Modulation Method
Normal Power Mode 2.4 GHz
Maximum Power Mode 2.4 GHz

Connectors

DMX Connectors

AC Input
DC Input
Antenna Connector
Supplied Accessories

Physical

Net Weight
Gross Weight
Packed Dimensions
Product Dimensions

Mounting

Mounting Brackets
Clamp Style

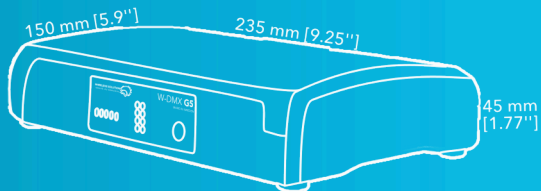
Environmental

Temperature Range
Humidity
IP Rating

BLACKBOX F-1 TRANSCIVER

BLACKBOX F-2 TRANSCIVER

BLACKBOX R-512 RECEIVER

Double-Up Mode	Yes	Yes	No
ArtNet I/II/III, s/ACN	Yes, optional	Yes, optional	No
RDM ANSI E1.20 (2)	Yes	Yes	No
Number of universes per device	1	2	1
Number of DMX channels	512	1,024	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	
Adaptive Frequency Hopping		Yes	
W-DMX G3 & G4S compatibility		Yes	
2.4 GHz		Yes	
5.2 & 5.8 GHz (1)		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	
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 - 60 Hz	
DC Input		Phoenix 12V input	
Antenna Connector		N-Type	
Supplied Accessories	3dBi omi-directional antenna, phoenix connector, mounting brackets, 90° angle adapter		
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			
Mounting Brackets		Included	
Clamp Style		M10 Thread	
Temperature Range		0°C - 45°C [32°F - 113°F]	
Humidity		90%	
IP Rating		IP 45	