

WIRELESS SOLUTION
MADE IN SWEDEN



BLACKBOX F-1 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

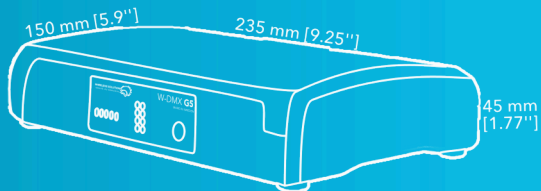
Environmental

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 | |