W-DMX™ **BlackBox**

INDOOR

The W-DMX™ BlackBox series is an industry leader for Wireless DMX and RDM control, packed into a tough, roadworthy die-cast metal casing. As with all our top W-DMX™ technologies, the W-DMX™ BlackBox series is built for the true lighting professional. The W-DMX™ BlackBox G4 uses our patented Adaptive Frequency Hopping technology that automatically avoids interference created by other wireless networks, for example W-LAN, wireless intercoms, stage automation systems and more. BlackBox also include our advanced method of error correction called Data-Safe that correct any corrupt data before it gets to your lighting equipment. All units are optional Ethernet Support, to convert any protocol in, to any protocol out.

The F-Series of BlackBox are the most versatile and flexible Units on the market, that you on the fly change between Transmitter and Receiver. Pure Transceiver technology.

Supporting both the 2.4GHz and 5.8GHz frequency bands, these dual band units have full RDM support, meaning even the most complex installations and the BlackBox units themselves can be configured wirelessly. All BlackBox units are backward compatible with W-DMX™G3 units, protecting your investment in the W-DMX™range.

A slot for the optional Ethernet PCB allows W-DMX™ BlackBox units to be enabled with Streaming ACN, Art-Net and other Ethernet based lighting protocol support, thus simplifying integration of the W-DMX™ BlackBox into larger, more complex installations.

Built in automatically switching power supplies mean that no matter where you are in the world, BlackBox units are ready to go. And W-DMX™ units can be supplied directly by a battery thanks to the Phoenix Gold 12V input, and over a network through PoE (Power over Ethernet) with the optional network card.

BlackBox units ship standard with a 2/4dBi dual band antenna, which provides up to an exceptional 800m of range. For links over greater distances, or for more complex projects needing one of Wireless Solution's other antenna, the N-type antenna connector allows any compatible antenna to be easily attached.

	FLEX-2 G4	FLEX-1 G4	R-512 G4
Article number	A40005G4	A40001G4	A40102G4
Features			
Operational modes	Transmitter/Receiver/Repeater[2]	Transmitter/Receiver	Receiver
Universes	2 in transmitter/receiver mode. 1 In repeater[2] mode	1	1
Protocols	DMX / RDM[1] / ACN[2] / Art-Net[2]	DMX / RDM[1] / ACN[2] / Art-Net[2]	DMX / RDM[1,2]/ ACN[2] / Art-Net[2]

1) Covered by one or more claims of patent No 7,432,803, and/or by other patent applications and corresponding foreign patent applications pending.
2) Optional

W-DMX™ **WhiteBox**

ARCHITECTURAL

The W-DMX™ WhiteBox series is our solution for architectural and entertainment projects that require the reliability and ease of use of W-DMX™ products, in a weatherproof IP-65 rated casing. All the function are the same as the BlackBox Series with standard RDM on F-series and optional Ethernet Support to convert any protocol in, to any protocol out. All the F-Series the most versatile and flexible Units on the market, that you on the fly change between Transmitter and Receiver. Pure Transceiver technology.

The W-DMX™ WhiteBox contains features to ensure top-notch reliability, including Adaptive Frequency Hopping to dynamically avoid interference from other radios in the vicinity with no configuration or re-configuration over time, as the system adapts to its surroundings in real time. The units are dual band 2.4GHz and 5.8GHz units, meaning ever more reliability and robustness in any environment. WhiteBox also include our advance functions from the W-DMX™ G4 of Data-Safe with automatic error correction and Invisi-Wire.

Built to be installed on the exteriors of buildings, large structures, or anywhere exposed to the elements, the WhiteBox series works tirelessly day in, day out to transmit or receive your DMX, RDM and Ethernet signals around installations, be it the outside of a building, over rivers and even across buildings. The units can even be supplied by PoE when transmitting Streaming ACN, Art-Net or other Ethernet based lighting data, allowing the data backbone in any installation to power your wireless system.

With a range of IP-65 antennas available that have proven compatibility with the WhiteBox series, and on-site support services, Wireless Solution can not only supply the whole range of Wireless equipment to an outdoor project, but also support to ensure that the installation is completed without any problems. Backward compatibility with the W-DMX™ G3 range of products mean existing installations can be expanded with ease.

	FLEX-2 G4	FLEX-1 G4	R-512 G4
Article number	A40004G4	A40002G4	A40103G4
Features			
Operational modes	Transmitter/Receiver/Repeater[2]	Transmitter/Receiver	Receiver
Universes	2 in transmitter/receiver mode. 1 In repeater[2] mode	1	1
Protocols	DMX / RDM[1] / ACN[2] / Art-Net[2]	DMX / RDM[1] / ACN[2] / Art-Net[2]	DMX / RDM[1,2]/ ACN[2] / Art-Net[2]

1) Covered by one or more claims of patent No 7,432,803, and/or by other patent applications and corresponding foreign patent applications pending.
2) Optional

W-DMX™ **Micro**

INDOOR

The Micro series are the most compact W-DMX™ products available on the market today. Built into a slim-line casing, with mounting options for any conceivable location or to practically any type of structure encountered in the entertainment and architectural lighting business, the Micro series is perfect for smaller events, or where space is a problem, such as inside trucked scenery, set pieces or in difficult to reach corners. The Micro units are also suitable for smaller rental applications where the distance does not need to exceed 250 meters in line of sight, and where fewer universes need to be transmitted wirelessly in one area. The Micro Series include functions like Adaptive Frequency Hopping, Data-Safe and Invisi-Wire.

The Micro F-1 Lite is the smallest and most compact transceiver on the market that also support RDM. The F-1 is most versatile and flexible Units on the market, that you on the fly change between Transmitter and Receiver. The Micro R-512 Lite is a small and compact receiver to support DMX.

The Micro series comes with a battery compartment that accepts 6 standard AA batteries, allowing the unit to be powered of battery power for considerable lengths of time or standard external power supply.

The Micro series supports DMX/RDM through a standard 5 pin XLR connector, and a helpful display on the front of the unit conveys useful information at a glance. With our one-button-to-go technology, setting up a W-DMX™ system with Micro units is as simple as pushing a single red function button. And with compatibility with the whole W-DMX™ range, the W-DMX™ Micro series of products is at home in any lighting company inventory. Sporting compatibility with the whole W-DMX™ range.

	Micro F-1 Lite G4	Micro R-512 Lite G4
Article number	A40006G4	A40100G4
Features		
Operational modes	Transmitter/Receiver	Receiver
Universes	1	1
Protocols	DMX / RDM[1]	DMX

1) Covered by one or more claims of patent No 7,432,803, and/or by other patent applications and corresponding foreign patent applications pending.

W-DMX™ **ProBox F-2500**

RACKMOUNTED PRO SERIES

The W-DMX™ ProBox F-2500 is our top of the line, 2 universe transmitter/receiver and 1 universe Repeater, all in a single box 19" Rack unit. Built in a 1U case, the unit comes with ample connectors on the front and the back, and has built in support of Ethernet lighting protocols, including Art-Net and Streaming ACN. The ProBox F-2500 is designed for the large scale touring and rental market, as well as the installation market.

ProBox F-2500 is are the most versatile and flexible Unit, that you on the fly change between Transmitter and Receiver. Pure Transceiver technology that also allow standard Ethernet Support, to convert any protocol in, to any protocol out between DMX, RDM, Art-Net, Streaming ACN, Pathport, ETC-NET2/3 and Strand ShowNet.

The W-DMX™ ProBox F-2500 supports both the 2.4GHz and 5.8GHz frequency bands. These dual band units have full RDM support, meaning even the most complex installations and even the ProBox F-2500 units themselves can be configured wirelessly. The ProBox F-2500 is backward compatible with W-DMX™ G3 units, protecting your investment in the W-DMX™ range.
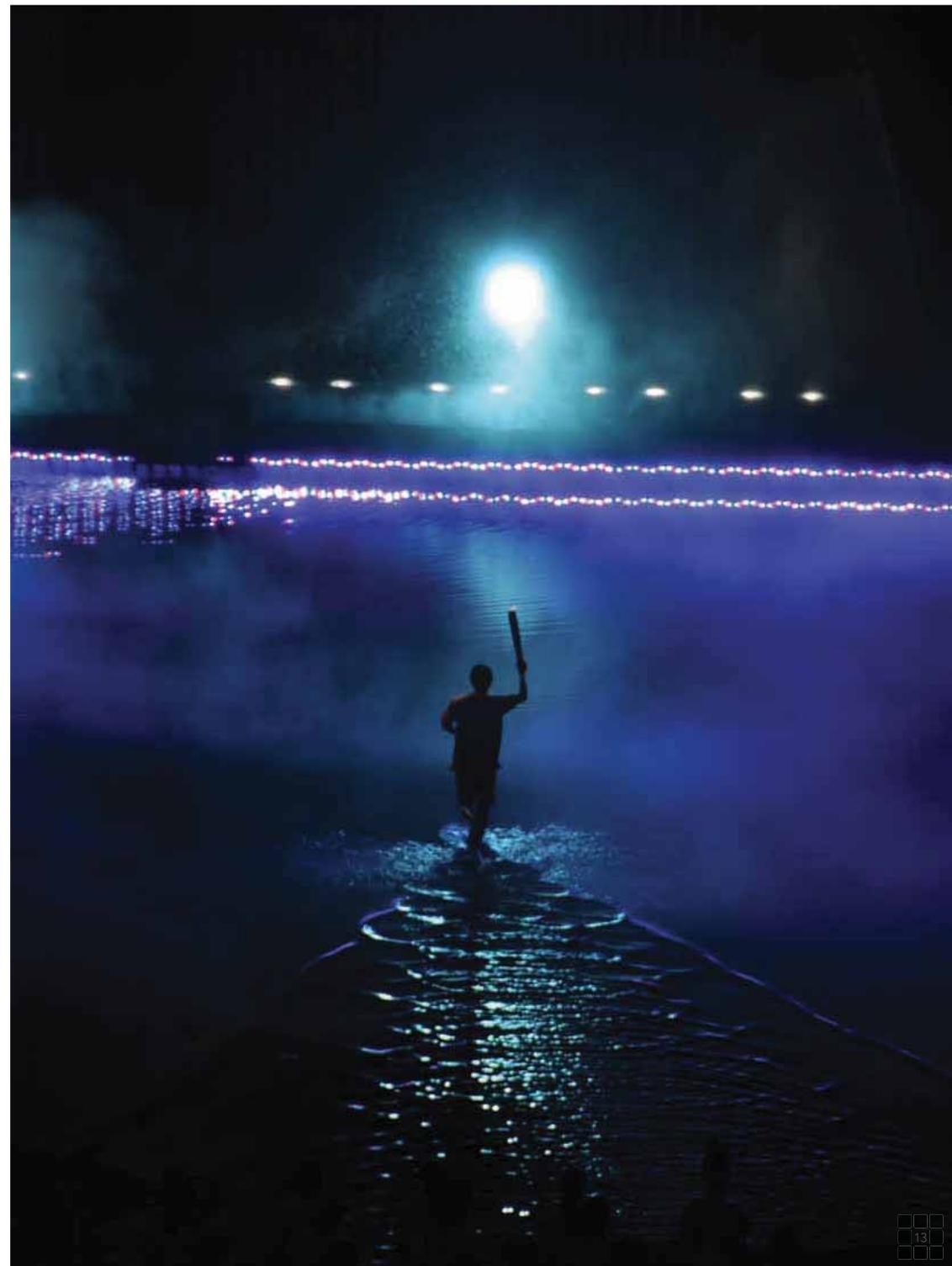
The W-DMX™ ProBox F-2500 uses interference free Adaptive Frequency Hopping technology that automatic avoids interference created by other wireless network, for example WI-FI, wireless intercoms and more, ensuring co-existence with other networks is hassle free. Complete with W-DMX™ G4 functions like Data-Safe and Invisi-Wire.

W-DMX™ ProBox F-2500 comes with a built in, automatically switching power supply (90-260V) meeting all international standards to ensure that no matter where your rig goes, the ProBox F-2500 can follow. The unit also ships with our dual band2/4dBi antenna for 2.4GHz and 5.8GHz use. With a 12V optional power input, Ethernet input/output for Streaming ACN and Art-net, and 5 pin DMX connectors on both the front and the back, connecting and configuring the unit is a breeze.

W-DMX™ ProBox F-2500	
Article number	A40007G4
Features	
Operational modes	Transmitter/Receiver/Repeater
Universes	2 in transmitter/Receiver mode. 1 In repeater mode
Protocols	DMX / RDM[1] / s/ACN / Art-Net / Pathport, ETC-NET2/3 / Strand ShowNet
Ethernet	Yes

1) Covered by one or more claims of patent No 7,432,803, and/or by other patent applications and corresponding foreign patent applications pending.

W-DMX™ **Uglybox**

W-DMX™ TEST TOOL

The UglyBox is hailed as the 'riggers best friend', an indispensible tool in the lighting designer or technician's arsenal. With the capability to receive W-DMX™ signals to check their signal strength, as well as check the output of DMX channels, the W-DMX™ UglyBox is great for testing the limits of the W-DMX™ radio system and/or checking DMX data, in a portable, pocket sized device.

The UglyBox is great for checking if a system will work before installation, and checking DMX levels in a system. The W-DMX™ UglyBox can also be used to check W-DMX™ signal history, allowing the user to see quickly any transient problems in the system. The Uglybox runs on standard AA batteries and last over 8 hours.
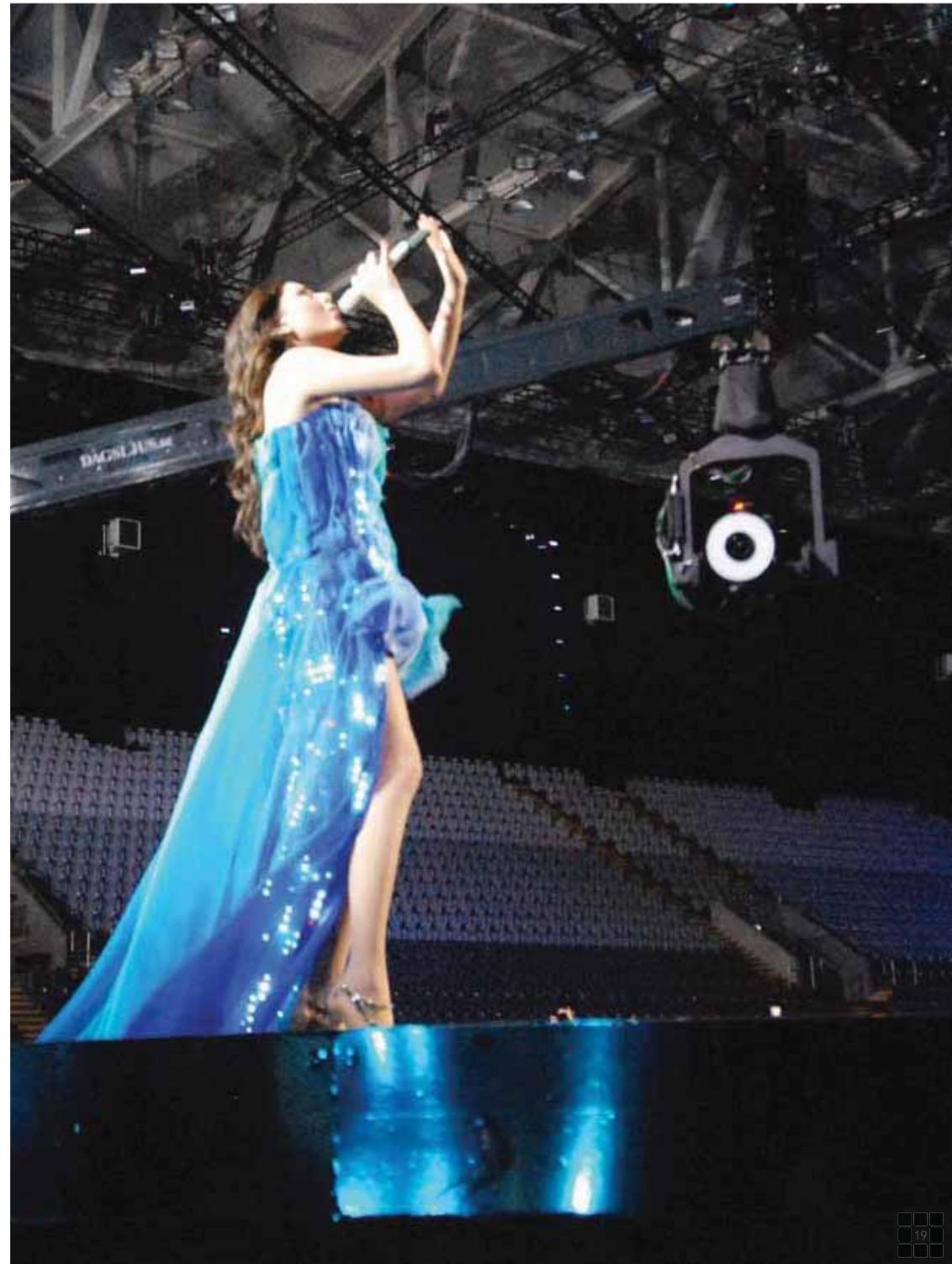
W-DMX™ **Dongle**

W-DMX™ CONFIGURATION TOOL

W-DMX™ Configuration Tool
The W-DMX™ dongle is our ideal tool for configuring W-DMX™ units, when the full power of the W-DMX™ BlueBox RDM is not required. Channels in use can be manually configured (bypassing the AFHSS technology), and output power can be reconfigured quickly and easily.

With the basic mode, W-DMX™ channels can be disabled by selecting which Wi-Fi channels are in use, and in the advanced mode, power users can disable individual W-DMX™ channels for finer control of the radio spectrum.

W-DMX™ **Booster**

OUTDOOR

Power Amplifier to gain power up to 1000mW.

	BlackBox B-5000 Outdoor	BlackBox B-1000 Outdoor
Article number	A40203G4	A40204
Features		
Output power	1000 mW	1000 mW
IP-rating	IP65	IP65
Frequency	5.8 GHz	2.4 GHz
Addtional items	50 m cable included	50 m cable included

W-DMX™ **Cables**

OUTDOOR

Professional Antenna Cables.

	1,5m	3m	5m	10m	15m	20m	30m
Article number	A40607	A40608	A40609	A40610	A40611	A40612	A40613
Features							
Loss/m	0,5 dBi	0,5 dBi	0,5 dBi	0,5 dBi	0,5 dBi	0,5 dBi	0,5 dBi
Connector	N Male to N Male						

W-DMX™ **Accessories**

Antenna Adapters and more.

Description	Article no	Description
Adapter N Female-RP-SMA	A40621	Adapter for all Indoor Antenna. N Male - RP-SMA Female
W-DMX™ Lightning Arrestor	A40622	N Male - N Female. Requires Earth Ground. Recommend for outdoor installation.
Adapter RP-SMA-N Female	A40623	For indoor cable to mount outdoor Antenna.
Adapter N Female-N Female	A40627	Used to put outdoor antenna directly on an outdoor box.
Adapter N Male-N Male	A40628	Used to connect 2 outdoor cables together for extension.
Antenna Combiner	A40210	Antenna Combiner / Splitter. 2 Antenna for 1 Transmitter, Vice Versa Receiver.
AC/DC Adapter	A40150	90-250VAC to 12VDC Electronic Transformer.
Powercord	A40151	Universal Powercord 1,5m, Bare End.
Rack mount	A40160	19" Rack Kit by W-DMX™ for 2 x BlackBox, DMX inputs/outputs on front. With Cable
Truss mount	A40161	W-DMX™ Trussmount for BlackBox to fit standard 2" Clamp or Hook.