

ANTENNAS FOR ALL NEEDS

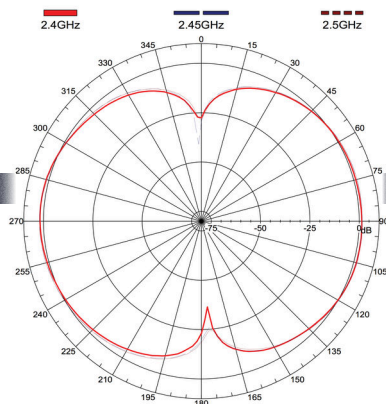
Guide to **indoor** range

WIRELESS SOLUTION
MADE IN SWEDEN



There is also an outdoor range!

W-DMX™ INDOOR 2



Best use:

Controlled indoor applications, **small events** and **weddings**, **uplighting** a venue. Low tolerance to barriers. Common in Rx units and most-popular with **OEM products**. Ideal for **first-time users of W-DMX™**.

Article No.	A40501
Type	Omni
Frequency	2.4 GHz
Boost	2 dBi
Radiation (HxV)	360° x 360°
Connection	RP-SMA Male

Adapter not included.

~ 500m (550 yards)

Small Events

Weddings

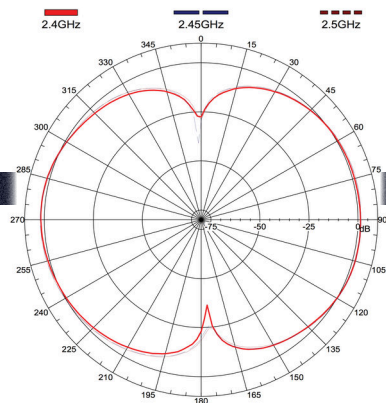
Uplighting

OEM

Parties

Small Conference

W-DMX™ INDOOR 3



Best use:

Standard antenna shipped with **Blackbox** and **Probox** series. Robust and **touring proofed** antenna, ideal for **medium sized** and **large events** and **conferences**. Tolerance to barriers. **Dual-band use**. Good investment if **upgrading G3/G4 W-DMX™ systems**.

Article No.	A40518G4B
Type	Omni
Frequency	2.4 GHz / 5.8 GHz
Boost	3 dBi
Radiation (HxV)	360° x 360°
Connection	N Female Incl. Cable 75cm N Male - N Male

~ 700m (765 yards)

Events

Touring

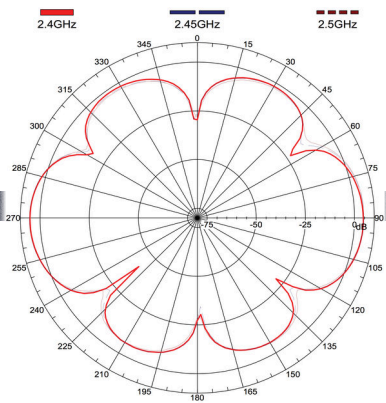
Uplighting

Theatre

Dual Band

Conferences

W-DMX™ INDOOR 5



Best use:

Ideal for **crowded indoor events** with a high-level of wireless channels in use. Best used to **transmit to uplighters** and wireless fixtures in a venue. Its omnidirectional use is best in a **multipoint-to-multipoint configuration**.

Article No.	A40502
Type	Omni
Frequency	2.4 GHz
Boost	5 dBi
Radiation (HxV)	360° x 30°
Connection	RP-SMA Male

~ 700m (765 yards)

Uplighting

Concert Touring

Events

Theatre

TV Studios

Crowded Environments

Did you know?

For better reception, the antennas should be in line-of-sight, parallel to each other. The front part of an antenna is always where the logo is – in doubt, face the logo on both antennas to each other.

ANTENNAS FOR ALL NEEDS

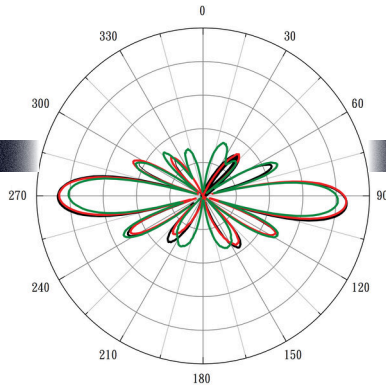
Guide to indoor range

WIRELESS SOLUTION
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W-DMX™ INDOOR 7

— 2.40 GHz — 2.45 GHz — 2.50 GHz



Best use:

Ideal for **crowded indoor events** with a high-level of wireless channels in use. Best used to transmit in a **long distance to a repeater**. Ideal antenna to broadcast through **strong barriers**. Requires a directional source/sender.

Article No.	A40503
Type	Bidirectional
Frequency	2.4 GHz
Boost	7 dBi
Radiation (HxV)	360° x 20°
Connection	RP-SMA Male

~ 1.2 Km (¾ mile)

Crowded Environments

Large Conference

Repeater

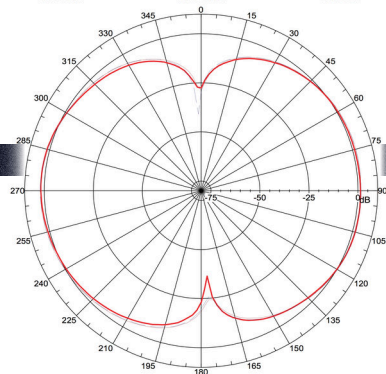
FOH to Stage

Between rooms

Music Halls

W-DMX™ INDOOR 2/4 DUALBAND

— 2.4GHz — 2.45GHz — 2.5GHz



Best use:

Ideal for **medium sized events**, **uplighting**, and **OEM** products. Formerly shipped with G3/4 series. **Dual-band use**.

Article No.	A40511
Type	Omni
Frequency	2.4 GHz / 5.8 GHz
Boost	2 dBi / 4 dBi
Radiation (HxV)	360° x 360°/360° x 240°
Connection	RP-SMA Male

~ 700m (765 yards)

Events

Touring

Uplighting

Theatre

Dual Band

Conferences

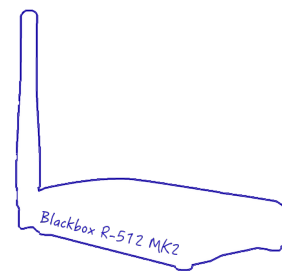
PRO TIP!



Blackbox F-1 MK2



Maintaining the antennas parallel to each other will allow a better link quality between devices!



Blackbox R-512 MK2

Did you know?

Antennas have got a vertical and horizontal radiation pattern. Read carefully each one's and take this into consideration when lining up antennas. Be sure the connector is fully tight – if the connection is not solid it might compromise the link quality.

ANTENNAS FOR ALL NEEDS

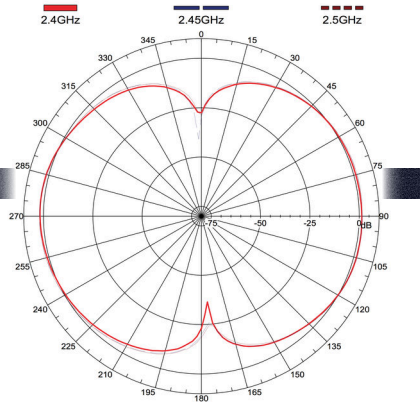
Guide to **outdoor** range

WIRELESS SOLUTION
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There is also an indoor range!

W-DMX™ OUTDOOR 3



Best use:

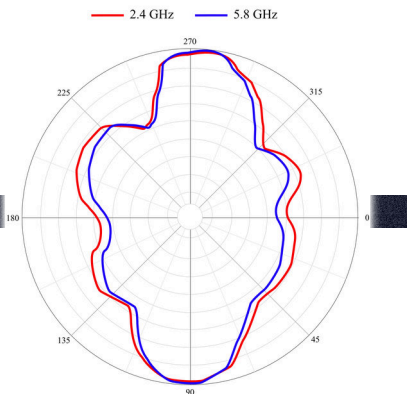
Standard antenna shipped with **Whitebox** series. **Robust** and **touring proofed** antenna, ideal for medium sized and large sized **events** and **installations**. Dual-band use.

Article No.	A40518G4W
Type	Omni
Frequency	2.4 GHz / 5.8 GHz
Boost	3 dBi
Radiation (HxV)	360° x 360°
Connection	N Female Incl. Cable 75cm N Male - N Male

~ 700m (765 yards)

Events	Touring
Façades	Installation
Dual Band	Architectural

W-DMX™ OUTDOOR 6



Best use:

High-traffic **outdoor** environments, **architectural** applications and **bespoke events**.

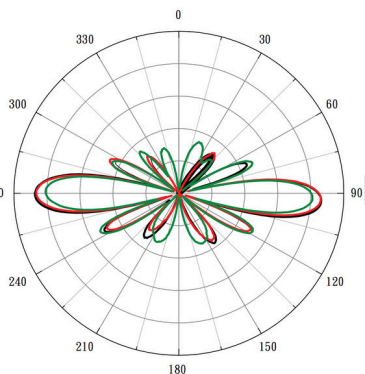
Article No.	A40505MK2
Type	Omni
Frequency	2.4 GHz / 5.8 GHz
Boost	6 dBi
Radiation (HxV)	360° x 30°
Connection	N Female Incl. Cable 75cm N Male - N Male

~ 1.1 Km (1202 yards)

Bespoke Events	Outdoor
Architectural	Outside Broadcast
Dual Band	Stadiums

W-DMX™ OUTDOOR 8

— 2.40 GHz — 2.45 GHz — 2.50 GHz



Best use:

High-traffic outdoor environments, **point-to-point transmissions**, broadcast data through longer distances to a **fixed receiving point**.

Article No.	A40506
Type	Bidirectional
Frequency	2.4 GHz
Boost	8 dBi
Radiation (HxV)	360° x 20°
Connection	N Female Incl. Cable 75cm N Male - N Male

~ 1.3 Km (0.8 miles)

Point-to-Point	Repeater
Skyscrapers	Stadiums
Film Sets	Crowded Environments

Did you know?

For better reception, the antennas should be in line-of-sight, parallel to each other. The front part of an antenna is always where the logo is – in doubt, face the logo on both antennas to each other.

ANTENNAS FOR ALL NEEDS

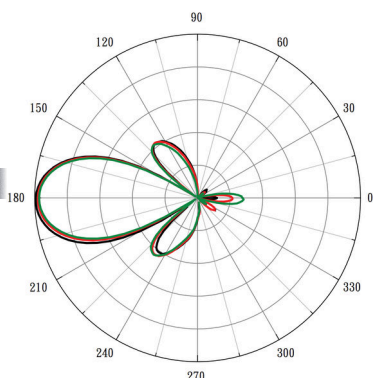
Guide to **outdoor** range

WIRELESS SOLUTION
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W-DMX™ OUTDOOR 12

— 2.4GHz — 2.45GHz — 2.5GHz



Best use:

Point-to-point transmissions in outdoor environments. Ideal to use **between buildings** or to penetrate difficult barriers, including **concrete** and **glass**, in **fixed installations**.

Article No.	A40507
Type	Directional
Frequency	2.4 GHz
Boost	12 dBi
Radiation (HxV)	30° x 30°
Connection	N Female Incl. Cable 75cm N Male - N Male

Includes fixing bracket.

~ 1.6 Km (1 mile)

Fixed Installations

Between Buildings

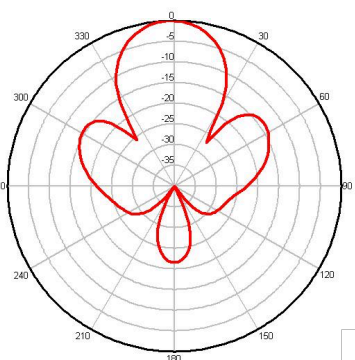
Façades

Bridges

Concrete & Glass

Architectural

W-DMX™ OUTDOOR 16



Best use:

Perfect for **architectural** installations. Ideal to transmit data between buildings in a **crowded environment**. Only transmits **5.8 GHz**.

Article No.	A40513G4
Type	Directional
Frequency	5.8 GHz
Boost	16 dBi
Radiation (HxV)	30° x 20°
Connection	N Female Incl. Cable 75cm N Male - N Male

~ 2 Km (1.2 miles)

Outdoor

5.8 GHz

Fixed Installations

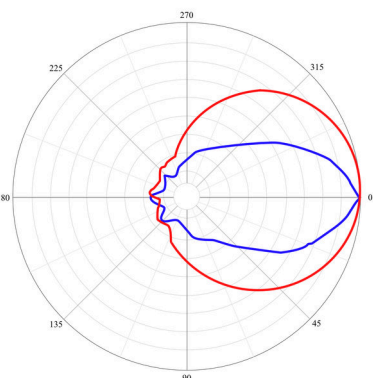
Themed Attractions

Crowded Environments

Stadiums

W-DMX™ OUTDOOR 8/10

— 2.4 GHz — 5.8 GHz



Best use:

Outdoor dual-band applications. Ideal even for **indoor applications** to broadcast data at **longer distances** (e.g., between FOH and stage).

Article No.	A40512G4
Type	Directional
Frequency	2.4 GHz / 5.8 GHz
Boost	8 dBi / 10 dBi
Radiation (HxV)	30° x 30° / 20° x 20°
Connection	N Female Incl. Cable 75cm N Male - N Male

~ 1.3 Km (0.8 miles)

Point-to-Point

Repeater

Bridges

Themed Attractions

Dual Band

Crowded Environments

In 5.8 GHz mode, the average L.O.S. distance is 1.5 Km (0.9 miles)

Did you know?

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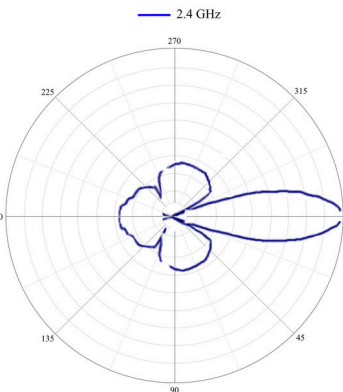
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Guide to outdoor range

WIRELESS SOLUTION
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W-DMX™ OUTDOOR 21



Best use:

Transmit data to/from top of **high buildings**, **very long distances**, **through rivers** and a very specific point at a long distance.

Article No.	A40508
Type	Directional
Frequency	2.4 GHz
Boost	21 dBi
Radiation (HxV)	7° x 7°
Connection	N Female Incl. Cable 75cm N Male - N Male

Includes fixing bracket.

~ 2.5 Km (1.5 miles)

Skyscrapers

Natural Obstacles

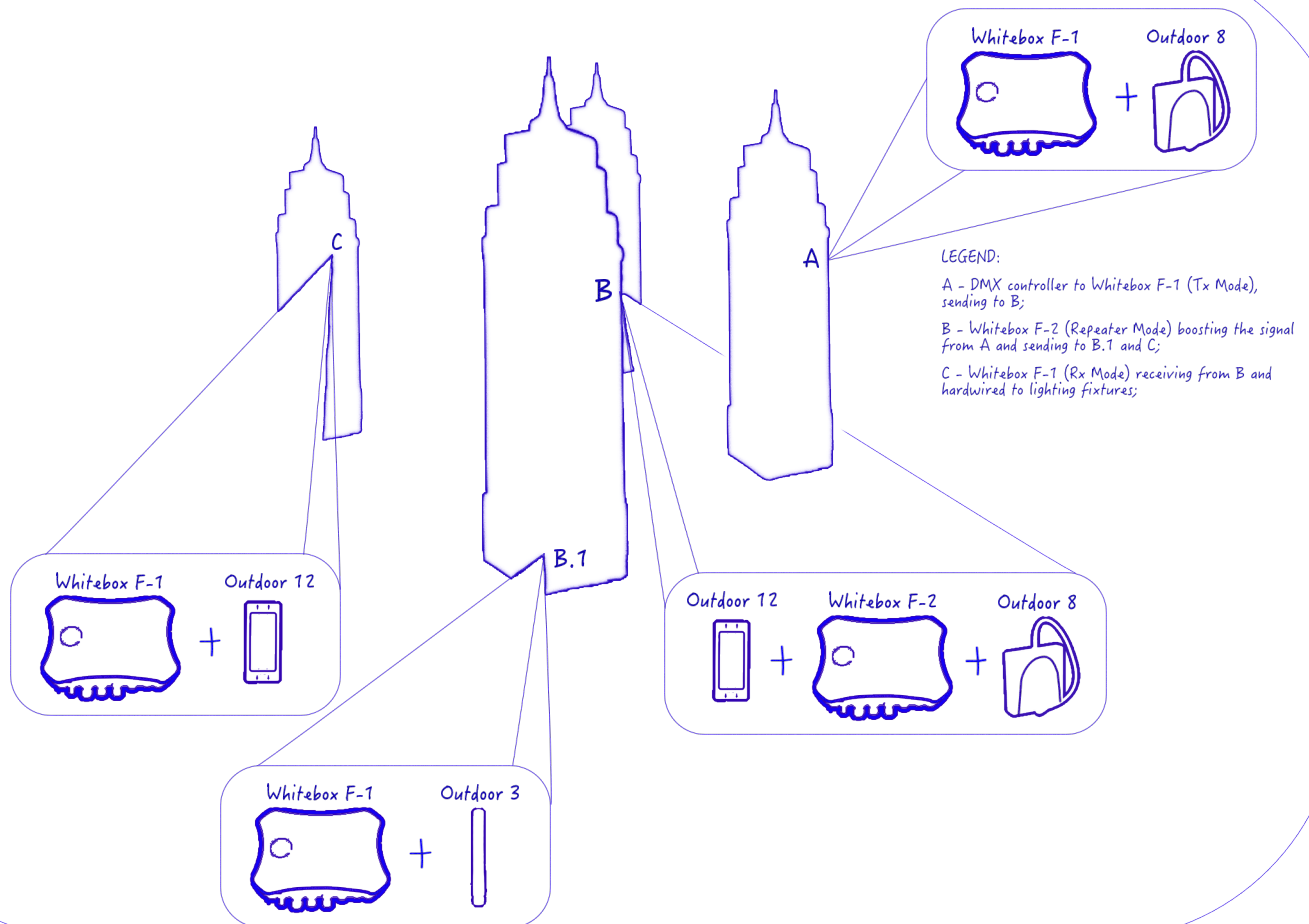
Façades

Bridges

Concrete & Glass

Architectural

Practical Example



Did you know?

Keep in mind, all larger antennas demand a little more planning. Please contact Wireless Solution or your distributor for guidance on how to install these.