



## Sombrero HDTV/DVBT/DVBT2/FM/DAB Digital TV and HD Radio Antenna

### Description

The Most Powerful Omni-directional Waterproof Digital TV / HD Radio Antenna For Outdoor Use 2J Antennas is a world leader in the wireless antenna market with over 1500 active off-the-shelf and custom products focused on commercial applications including automotive, IoT and medical industries. 2J launched the marine and leisure division in 2008 by introducing the “Sombrero” antenna series, targeting the consumer markets with tremendous success. The newest addition to the “Sombrero” series is the best in class HDTV/DVBT/DAB High Gain Multi-Cable Digital Television Antenna (2J438JBW) developed for consumer applications and commercial manufacturers. This high-performance antenna is available worldwide and the go-to OEM antenna choice for RV, recreational boating, and marine manufacturers.

The omni-directional 2J438JBW receives a 360° degree horizontal and vertical signal by using a controlled CE certified 30 dB active gain amplifier to boost signal strength. This allows for reliable long-range HDTV/DAB and FM signals without the need for frequent adjustments making it a true plug-n-play consumer experience and ideal for portable applications such as remote camping, RV travel across the country or exploring the lakes/oceans on a boat. The 2J438JBW operates within 40 MHz to 890 MHz frequencies and is designed to cater to HDTV, DVBT, DVBT2, Analog, HD FM and DAB standards.

#### Installation and Durability

The 2J438JBW “all-in-one” kit includes all necessary cables, mounting plates, instructions, and international AC adaptors for USA, EU and UK making it the most portable consumer antenna on the market. With dimensions of 280 x 280 x 212 mm and designed in a sleek Sombrero shape, this antenna can be easily installed with the choice of screw or pole mounting option. Offered with two (2) TV and one (1) FM Radio F-Male connection, it allows for simultaneous device operation while maintaining superior picture quality.

The high quality IP67/IP69 certified ASA material gives this antenna the highest resistance to weathering, UV, long-term heat exposure, chemical exposure, and environmental stress cracking. Our customers can be confident that this waterproof antenna will maintain full functionality without any compromise to signal quality in temperatures ranging from -40C to 85C.

Our team of experts is available to assist in customizing options by offering a wide range of alternative connectors and cables for absolute customer satisfaction. All our products are tested rigorously to assure absolute antenna function in the most extreme conditions to achieve 100% customer

satisfaction.

2J Antennas supports the health of our environment and production staff by manufacturing all our products without hazardous materials while maintaining full REACH and RoHS compliance.

Standards HDTV, DVB-T, DVB-T2, ANALOG, FM, DAB

Frequency 40-890 MHz

Radiation Pattern Omnidirectional

Polarisation Dual H/V

Reception (°) 360

Outputs 2x TV/DAB and 1x FM

Connectors F-Male

Active Gain (dB) 30

Dynamic Range (dB) -10 to 30

Noise (dB) 2

Power Consumption (mA) 23 to 61

Voltage (V) 12-24

AC Line 110V/60Hz and 220V/50Hz

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