



## PRODUCT INFORMATION

Component	Range Extender Outdoor Antenna & Tuner	
Part Number	RE 2.5	
Image		
Description	<p>The Range Extender Outdoor Antenna and Tuner increases the effective signal range of an InfoSpot (Talking House) Radio Transmitter from hundreds to more than a thousand feet by providing a simple, professional means of installing the transmitting antenna outdoors in a weatherproof package. The InfoSpot AM Radio Transmitter System is unique as the only such license-free system certified under FCC part 15.219 with a variable length of coaxial cable in its approved design. The Range Extender Outdoor Antenna and Tuner are part of a complete InfoSpot Radio System.</p>	
Specifications	Power	Up to 100 MW.
	Frequency	540-1700 kHz AM.
	Typical Signal Range	Up to 2500'. Varies with mounting height and environment. 20' mounting height recommended.
	Mounting Location	Top of mast, pipe or pole, allowing Tuner and Antenna to be positioned entirely above the mounting structure with no lateral obstructions.
	Coaxial Cable	RG6 (25' provided) with F attached connectors. May be extended up to 100'. Longer lengths are possible, based on frequency.
	Antenna	105" vertical antenna with 3" feedline (2.75 meters total). Vertical antenna: 1.0" tapering to 7/8". Aluminum tube, telescoping. Feedline: high flexibility; single, stranded copper conductor in PVC jacket. Ground line: not provided.
	Antenna Insulators	(2) Plastic, split block clamp design, 1.0" ID.

*Please be aware that all products we describe here are subject to availability based on our manufacturing capacity and the shipping dates. While we have made every effort to ensure the accuracy of all information, we do not accept liability for any errors or omissions and reserve the right to change these specifications without notice.*

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Component	Range Extender Outdoor Antenna & Tuner	
	Antenna Mount	<div><p>Aluminum "C" channel: H 10.5", W 2.5", D 1 3/16". With mounting holes (for flat surfaces) and strap slots (for pipe).</p><p>The Range Extender Antenna's universal channel mount can be attached to the top of various mounting supports, such as a pipe, as shown.</p></div>
	Antenna Tuner	<p>Dimensions: H 8.0", W 4.5", D 2.75".</p> <p>Construction: polycarbonate with see-through access door, lockable.</p> <p>Controls: RF meter, frequency range switch, tuning control.</p> <p>Connections: coax (F) connector, antenna bolt, lightning ground bolt.</p> <p>Includes hardware for integration with Antenna Mount.</p>
	Hardware	Stainless steel and/or corrosion resistant.
	Exposed Parts	Aluminum.
	Certification	Made in the USA. Talking House FCC Certification DLB5LTT98.
	FCC License	Not required if installed per FCC Rules Part 15.219.
	Illustrated Instructions	Included.
	Shipping Weight	7.0 lbs with cable and packaging, one container.

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Component  
Installation

### Range Extender Outdoor Antenna & Tuner

#### RECOMMENDED



Image 1



Image 2

#### NOT OPTIMUM



Image 3



Image 4



Image 5

The InfoSpot antenna and tuner should be installed in an open area, mounted to the very top of a pole or mast that extends above a support structure, 3-5 feet minimum. (See Images 1 & 2, above.)

It should not be side-mounted directly to a support structure (wall, tower leg, gable, etc.), allowing the antenna to parallel the support structure. The antenna itself also should not be allowed to parallel the mast or pole to which it is attached as in Image 4, above). This will cause the antenna's signal to be dissipated into the mast or pole.

(continued on next page)

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	<p>For example, attaching the Range Extender Outdoor Antenna and Tuner to a short stub just (as in Image 3) above a support structure or alongside a wall, eave or gable can yield less-than-ideal results. Instead, attach it to the top of a mounting pole or mast that allows the tuner and antenna to be raised fully above the support structure.</p> <p>Installation in the general vicinity of a much taller structure (as in Image 5) will limit the range of the broadcast significantly. Taller structures should be at least as far away from the InfOspot antenna as they are tall. (A 50-foot tree should be separated by a minimum of 50 feet, laterally.)</p>

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