# Component Information Sheet

## Component
Range Extender Outdoor Antenna & Tuner

## Part Number
RE2.5

## Description
The Range Extender increases the effective signal range of a Talking House / i A.M. 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 Talking House / i A.M. Radio line of products 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.

## Specifications

<table>
<thead>
<tr>
<th>Specification</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Power</strong></td>
<td>Up to 100 MW.</td>
</tr>
<tr>
<td><strong>Frequency</strong></td>
<td>540-1700 kHz AM: frequency ranges 540-1000/1010-1700 kHz.</td>
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<tr>
<td><strong>Typical Signal Range</strong></td>
<td>Up to 2500’. Varies with mounting height and environment. 20’ minimum mounting height recommended.</td>
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<tr>
<td><strong>Mounting</strong></td>
<td>Pipe or flat vertical surface, allowing antenna to extend entirely above the mounting surface with no lateral obstructions.</td>
</tr>
<tr>
<td><strong>Coaxial Cable</strong></td>
<td>RG6 (25’ provided). May be extended based on frequency.</td>
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<tr>
<td><strong>Antenna</strong></td>
<td>105&quot; vertical antenna with 3&quot; feedline (2.75 meters total). Vertical antenna: 1.0&quot; tapering to 7/8&quot; aluminum tube, telescoping. Feedline: high flexibility; single, stranded copper conductor in PVC jacket. Ground line: not provided.</td>
</tr>
<tr>
<td><strong>Antenna Insulators</strong></td>
<td>(2) Plastic, split block clamp design, 1.0” ID.</td>
</tr>
</tbody>
</table>

All products described are subject to availability based on manufacturing capacity and shipping dates. While every effort has been made to ensure the accuracy of all information, ISS does not accept liability for any errors or omissions and reserves the right to change information as needed. These specifications may be changed without notice.

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## Antenna Mount

- **Aluminum “C” channel:** H 10.5”, W 2.5”, D 1 3/16”. With mounting holes (for flat surfaces) and strap slots (for pipe).

  The Range Extender Antenna’s universal channel mount can be attached to various mounting supports; it may be strapped to a pipe as shown right. It can bolt to a flat surface such as a gable, chimney, air compressor unit, etc. The antenna should fully extend above the mounting support for maximum range.

## Antenna Tuner

- **Dimensions:** H 8.0”, W 4.5”, D 2.75”.
- **Construction:** polycarbonate with see-through access door, lockable.
- **Controls:** RF meter, frequency range switch, tuning control.
- **Connections:** coax (F) connector, antenna bolt, lightning ground bolt.
- **Includes hardware for integration with Antenna Mount.**

## Hardware
- **Stainless steel and/or corrosion resistant.**

## Exposed Parts
- **Aluminum.**

## Certification
- **Made in the USA. Talking House FCC Certification DLB5LLL98.**

## FCC License
- **Not required if installed per FCC Rules Part 15.219.**

## Illustrated Instructions
- **Included.**

## Shipping Weight
- 7.5 lbs with packaging, one container.

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