

## #KD-SR751 Wireless Signal Repeater for Kadtronix HSRS & GPRS systems

Designed for use with compatible wireless Class 2 devices including X10 door sensors, the KD-SR751 wireless signal repeater is simple to install and compliant for use with the following Kadtronix systems:

- HVAC Smart Relay Switch (HSRS)
- General Purpose Relay Switch (GPRS)

Operating at 310 MHz, the device works by receiving compatible X10 RF signals and then re-transmitting same. The KD-SR751 is easily expandable (up to 4 identical repeaters) for maximum coverage.



### Features:

- Compact & easy to install – requires no tools or complicated setup
- Max range: 100 ft. (open air) / 50 ft. typical
- LED activity indicator
- Expandable (up to 4 repeaters)
- No batteries required
- Plugs into any standard AC wall outlet
- Includes electrical “pass-through” outlet for convenience

### What's Included:

- KD-SR751 repeater
- \*KD-HSRS-RF-ANT-KIT (option) see note

*\* note: This optional item is included only when purchasing the [RF Range Extender Package](#). Antenna kit includes coax cable, whip antenna & mounting bracket. It is to be applied at the HSRS or GPRS controller/receiver.*

## Installation:

Installation requires minimal effort. Follow these simple steps:

- Find a suitable location, preferably positioned centrally between X10 sensor and controller/receiver.
- Plug into an available AC power outlet, ideally 3 ft. (min.) above the floor. (Higher positioning yields best results.)
- Extend the antenna.
- If using multiple repeaters, they should be located roughly 50 ft. apart, with each device assigned a different channel, 1 – 4.

*Note: The 'T' position is unused for HSRS & GPRS applications, intended primarily for use with specialized security and automation products. (The "Test" button is also unused.)*



*Wireless Repeater System - Typical Network*

## RF Range Extender Package (optional):

The RF range extender package, KD-HSRS-X10-EXT-PKG, is a complete wireless range enhancement solution that improves both RF transmission and reception of X10 sensor signals. It is ideal for extending wireless range where increased coverage is required, or for use in situations where RF signals may be impeded by interference or other issues. The following items are included:

- KD-SR751 repeater
- KD-HSRS-RF-ANT-KIT coax cable with antenna, plus mounting bracket.



*RF Range Extender Package*

### Notes:

- *The antenna kit shown above (KD-HSRS-RF-ANT-KIT) is to be applied at the HSRS or GPRS controller/receiver, replacing the original antenna.*
- *Before applying antenna kit, power off the controller/receiver. (Avoid incidental contact with any grounded objects.) Antenna should be installed at ceiling height or above.*

## Testing:

To test the repeater, activate any compatible X10 device (such as a door sensor) while visually monitoring the KD-SR751. The repeater's LED indicator briefly illuminates ("blinks") when a signal is received (and subsequently re-transmitted). If necessary, experiment with different locations for the repeater.

*Note: "Test" button is unused for HSRS & GPRS applications, intended primarily for use with specialized security and automation products.*

## Specifications:

- Part no. KD-SR751
- X10 RF compatible
- Operating frequency: 310 MHz
- Dimensions: 4.25" x 2.1" x 1.25"
- Agency Listings: FCC

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