

# How to extend the wireless coverage of your existing Access Point?

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This FAQ is applies to the following models:

EW-7206APg and EW-7209APg.

## Introduction:

Wireless signals are affected by environmental factors such as obstructions (walls, microwave ovens, furniture, etc) and similar devices (wireless indoor telephone set or the other access points of your neighbors) operating within the same wireless channel. As such, there will be some areas beyond the wireless coverage of a single access point. For example, in the typical house shown in [Figure-1](#), the Internet is available wirelessly in the Living room but not available in the Book room - the wireless signal from the Living room is too weak in the Book room for most laptops/PCs.

This guide will present you the most affordable solution for maximizing the wireless coverage: use a wireless access point as a repeater for extending the wireless signal. **After installing the Repeater AP as shown, the area with poor wireless coverage (red color) will have good wireless coverage (green color) as shown in [Figure-1](#).**

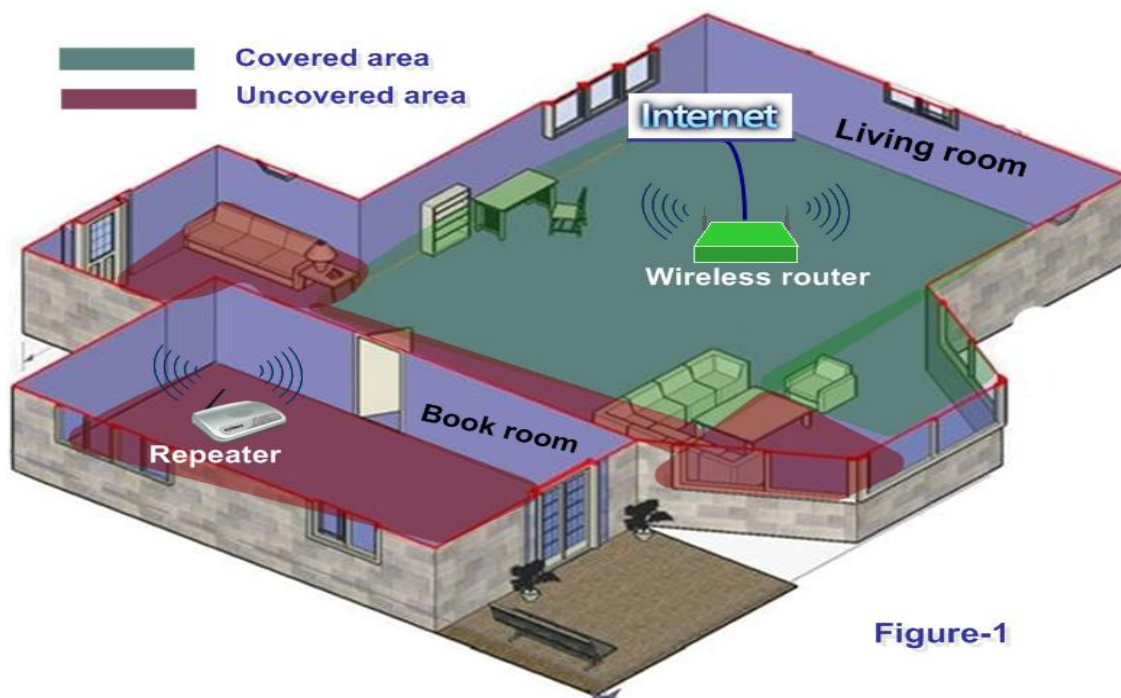


Figure-1

## Step by Step:

**Step 1 :** Write down the following information of your main wireless access point. In this FAQ, the wireless router of the living room is the main one.

(a). The wireless name (also called as SSID)

(b). The operating channel.

It's presumed that the information below is for the wireless router of the living room: (a) SSID= Home-AP (b) Channel=11

**Step 2 :** Log on to the Edimax Repeater access point using the web browser.

**Step 3 :** Turn the access point to "Universal Repeater" mode and enter the two parameters, (a) Root AP SSID= Home-AP and (b) Channel=11 into the Repeater access point as shown in the **Figure-2**.

All settings are complete. The original uncovered area will now have Internet accessible area via wireless.

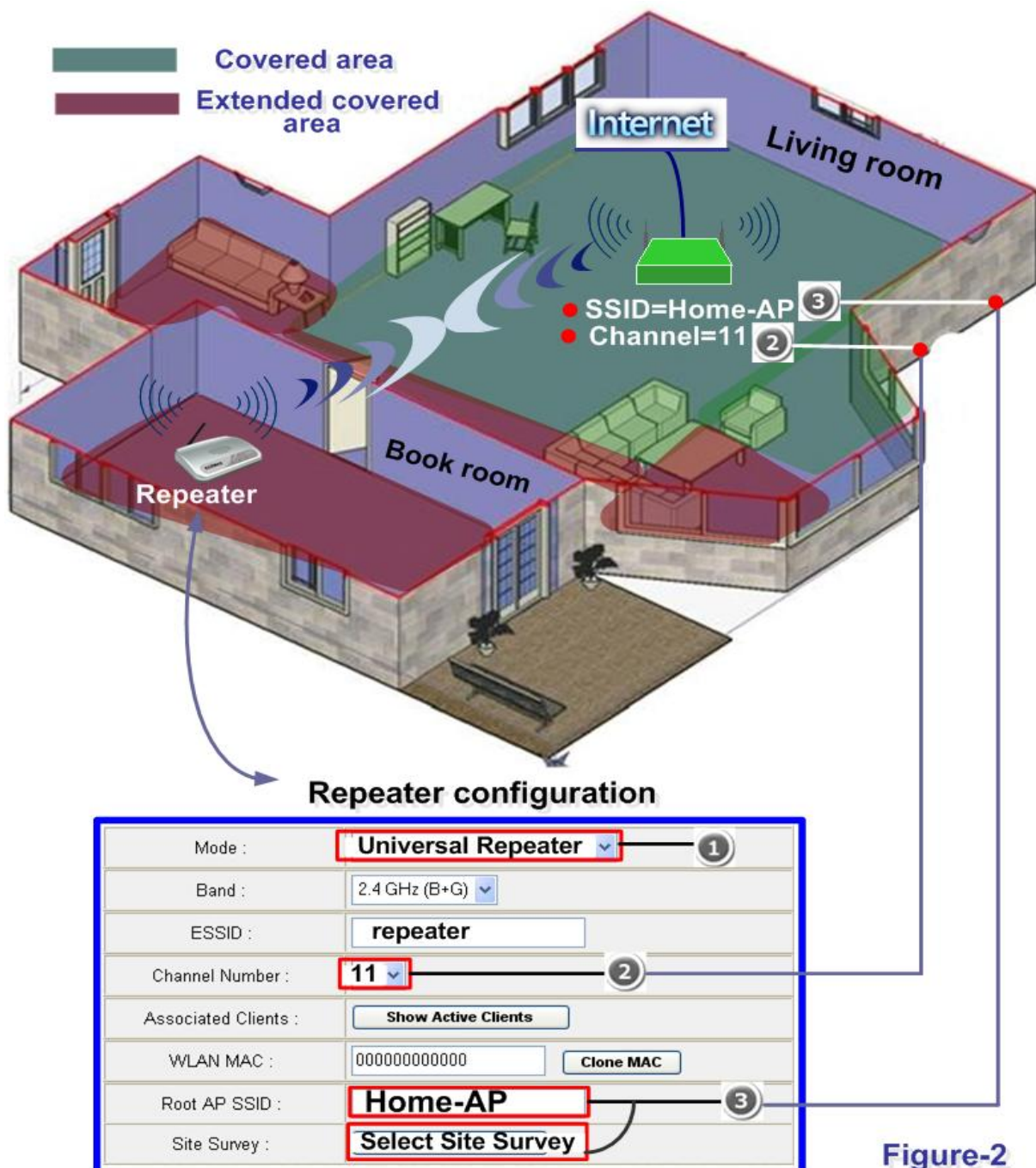


Figure-2