INSTRUCTION/INSTALLATION SHEET
WIRELESS ACCESS POINT 802.11g

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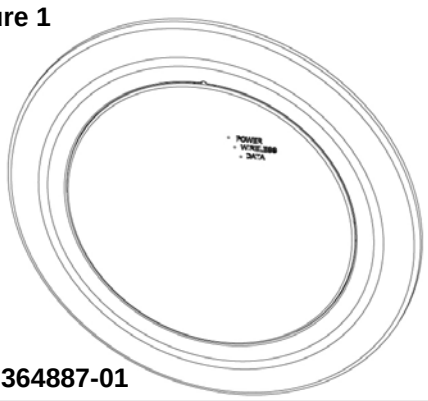
www.onqlegrand.com

IS-0329 REV. A

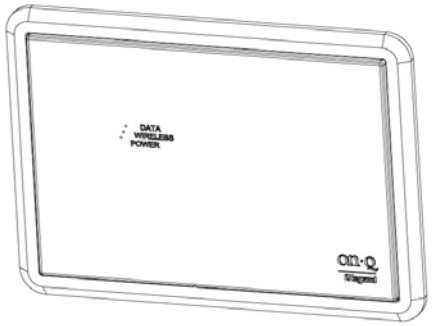
1. Introduction

The On-Q/Legrand Wireless Access Point (WAP) 802.11g, P/N 364887-01 (In-Ceiling) and P/N 364891-01 (In-Wall), are IEEE 802.11g compatible products that provide wireless network access to PCs, PDAs, or Ethernet Bridges (used for network access by Digital Video Recorders). They are generally placed in the ceiling or wall of the top floor of the home in a central location to maximize the wireless zone coverage of the home. They can also be used to create a localized "hot spot". The supported devices must contain wireless network interface cards or capabilities in order to allow the freedom of a wireless connection. Because of most portable devices' ability to run on battery power, roaming network connections can be maintained anywhere around or outside the home, within the wireless zone.

Figure 1



P/N 364887-01



P/N 364891-01

2. Description

The On-Q Wireless Access Point 802.11g is designed to be wall (P/N 364891-01) or ceiling (P/N 364887-01) mounted in a very unobtrusive manner, similar to an in-ceiling speaker or smoke detector (see ***Figure 1***). Both types mount in a standard plastic three gang switch & outlet box (not included).Each comes with a Power Over Cat 5e Inserter Module, which is housed in the structured wiring enclosure. The inserter module provides operating power over the single Cat 5e cable that is run to the WAP. Refer to the supplied User Guide for WAP performance and coverage information.

3. Installation

The On-Q Wireless Access Point 802.11g is best installed during new construction in two steps; at "rough-in" after the Electricians are done, but prior to drywall being installed, and at "trim-out" after the drywall is installed and painted. These steps are detailed below:

"Rough-in" steps:

a. A single Cat 5e should be run in the walls from a plastic three gang switch & outlet box similar to the Slater® P3-54-RACMH or equivalent at the location in the home where the On-Q Wireless Access Point (WAP) 802.11g will be installed to the location (On-Q enclosure) where the Inserter Module will be located (leave extra cable at both ends).

NOTE: The preferred location for the WAP is in the ceiling or wall of the top floor, centrally located in the home. Since there is a reset tab under the cover of the WAP (see *Figure 2*) that may need to be

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accessed in the event of a problem, it is advisable to place the WAP in an accessible location. If multiple WAPs are used, they should be located to create overlapping wireless zones.

b. At the selected WAP location, install a plastic triple gang switch & outlet box (see ***Figure 2***).

c. The Cat 5e should be secured at the box, in a manner to avoid damage during the drywall installation and to be accessible after the drywall is installed.

"Trim-out" steps:

d. The Cat 5e that was secured at the triple gang box should be pulled through the box and terminated with an RJ-45 plug (not supplied).

NOTE: Use proper tools and standard TIA 568A rules to prep and terminate the CAT5e cable, such as the On-Q Cat 5 Cable Stripper (P/N 363292-01) and the On-Q EZ-RJ45 Crimp Tool (P/N 364555-01).

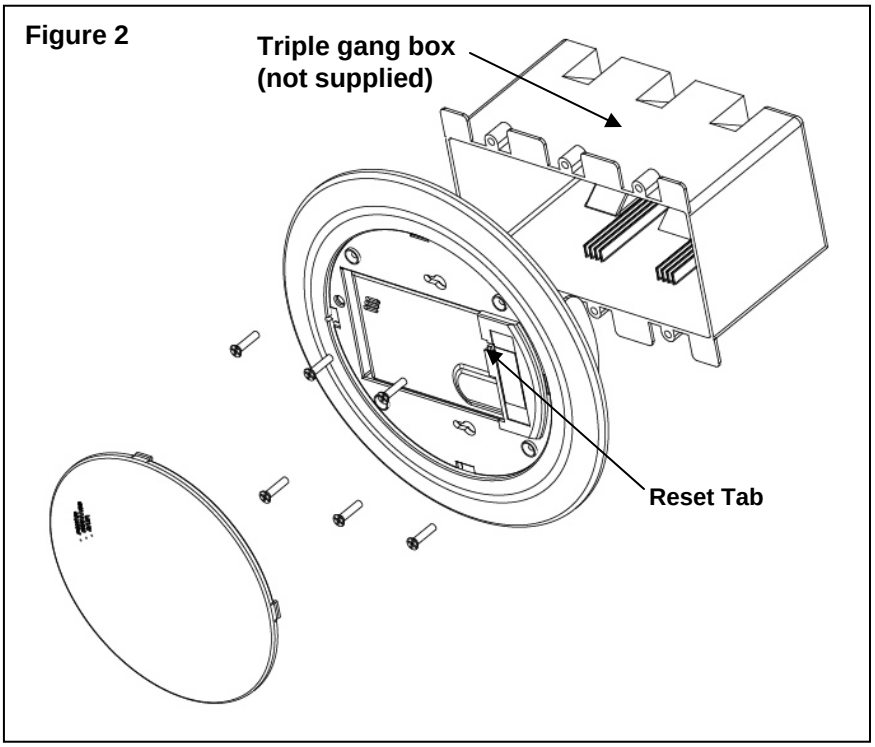
e. Next, connect the RJ-45 terminated Cat 5e cable to the input jack on the rear of the WAP Assembly.

f. Secure the WAP to the triple gang box with the supplied screws (see ***Figure 2***).

NOTE: The reset tab (see Figure 2) is used to return the unit to a factory default condition. For more information refer to the supplied User's Guide (P/N 1307844).

g. Then install the WAP cover, making sure that the windows in the cover line up with the LED status lights on the WAP Assembly.

Figure 2



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h. In the On-Q/Legrand structured wiring enclosure the Cat 5e from the WAP can be terminated at a Network Interface Module or with an RJ-45 plug which is then connected directly to the output of the Power over Cat 5e Inserter Module (see ***Figure 3***).

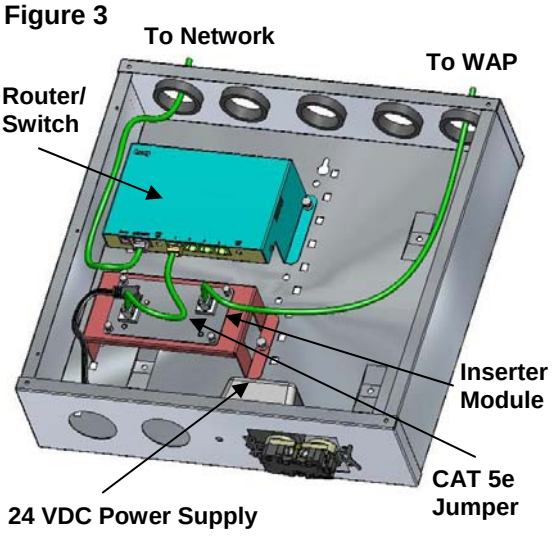
i. A supplied Cat 5e patch cable is then connected from the input RJ-45 jack of the Inserter Module to one of the LAN ports on the On-Q Router/Switch or third party Router, or directly to a Broadband Modem (see ***Figure 3***).

j. The Inserter Module is powered with a 24 Volt DC power supply which needs to be plugged in to an AC source (see ***Figure 3***).

k. When the 24 VDC Power Supply is plugged in to an active AC Source, verify that the Power LED is lit on the Inserter.

l. Next, verify that the Power LED is lit on the WAP.

Figure 3



m. If you connected to an active network, verify that the Network Activity LED is lit on the network access device and on the WAP.

n. Then, verify the Wireless LED is lit on the WAP.

o. Follow the steps in the supplied user guide for configuration and troubleshooting of the On-Q Wireless Access Point 802.11g.

NOTE: The Wireless Access Point is shipped with minimum security configured. You may want to make it more secure for your specific application, following the steps in the supplied user guide.