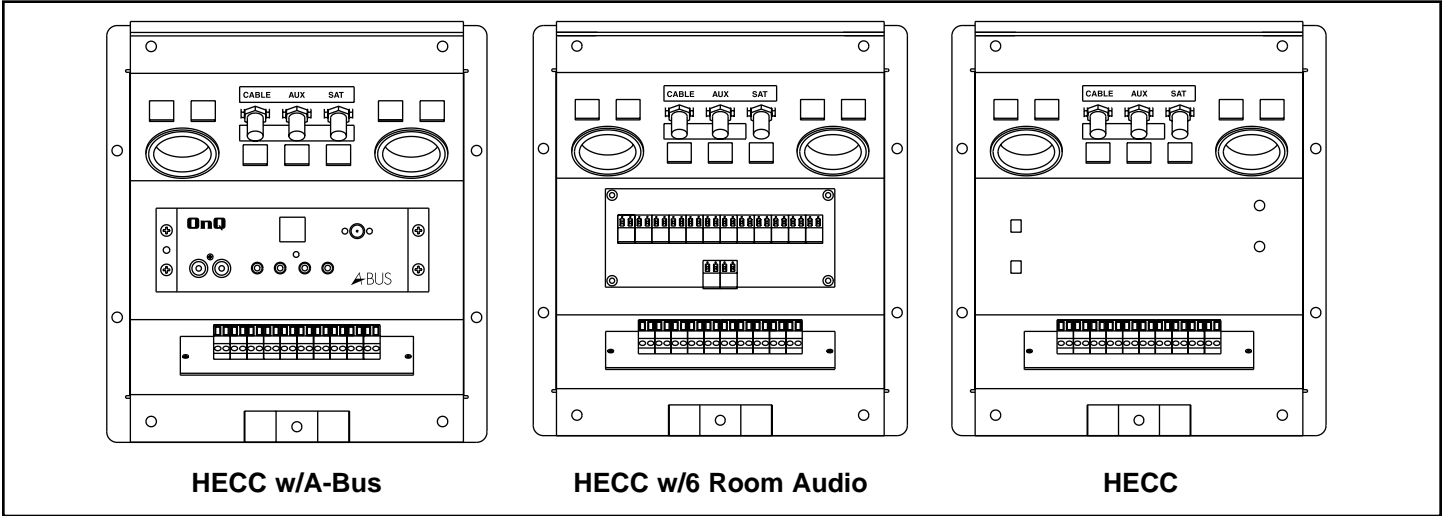




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Installation/Instruction Sheet
Home Entertainment Connection Center
IS-0152 Rev. 0



1. Introduction

The OnQ Technologies Home Entertainment Connection Center (HECC) provides an attractive convenient interface to your entertainment center. The HECC provides a single connection point for all the remote cabling used in most Home Entertainment Centers. The HECC has a built in interface board for pre-wired Home Theater cabling, CATV connection, Telephone, DSS, and Network connections. Additional whole house distributed audio can be interfaced with the OnQ A-Bus Audio system or a traditional impedance matching volume control.

The HECC is recess mounted and provides a low profile interface to allow furniture to be located close to the wall without interfering or damaging the cable.

2. Description

The HECC is available in three configurations; HECC with A-Bus, (P/N 364452-01), includes a pre-mounted OnQ A-Bus Source Input Unit (P/N 364745-01), HECC with 6 Room Audio, (P/N 364452-02), includes a 6 Room Audio assembly (P/N 364454-01) pre-assembled and a HECC with mounting capability for an OnQ 3" module to be purchased separately.

The HECC has three basic components; the mounting frame, the insert and the cover. The frame is a galvanized pre-wire bracket designed to mount between studs on 16" centers. The insert is a white powder coat assembly, which manages and provides all the connection points. The Cover is an attractive white powder coat metal which allows cable access through the bottom and comes with an installed plunger for quick access.

3. Locating the HECC/Frame Installation

The HECC should be located in the area planned to have the entertainment center. In selecting the HECC location, consider homeowner access needs, wiring and cabling. It is preferred to be in a full stud cavity (16" centers); the stud cavity should not be shared with HVAC, plumbing, or major high voltage cabling.

Typical installation will be centered on a wall. Planned mounting height will depend on installation. If details are not known, the HECC should be mounted at outlet height. The HECC should be located with the bottom even with the bottom of other outlets.

Mount the frame to the studs with dry wall screws, with the flanges on the frame pointed in. Keep the frame level to assure proper appearance when installation is complete.

Note: The opening should be kept level and square. It may be helpful to put the insert in the frame before tightening the screws.

Note: The HECC is not fire wall rated and should not be mounted in designated firewalls.

4. Cable Rough-in

- 4.4. Network cable rough-in - Run Cat 5 or 5E cable from the frame to the OnQ service Center. Leave approximately 10 inches of access. Clearly label each cable as it is installed.
- 4.5. A-Bus Pre-wire (if applicable) - Run Cat 5 or 5E cable from the frame to the OnQ service Center. Leave approximately 10 inches of access. Clearly label each cable as it is installed. Complete pre-wire of A-Bus system per A-Bus instruction.
- 4.6. Whole House Audio – 6-Room system. Route Class 2 audio cable from the frame to the volume control locations. Also run from volume control to each speaker location. Clearly label each cable.
- 4.7. Secure cables per code and good cabling practices. Do not staple or distort coax and Cat 5 cable.

Note: Avoid kinks and sharp bend radius in routing cable. At corners, feed cable around the corner. Cable should be routed to feed easily. If cable is hard to pull, locate the area where it's bound and feed the cable through.

- 4.8. Secure and protect cables for wall finishing. Retain bundle to avoid damage during drywall installation. Protect wire markings from being covered by paint over spray.

5. HECC Insert Installation (ref. to Figure 2)

- 5.1. After walls are finished retrieve cable bundle to frame opening (cut out opening if not already open).
- 5.2. Terminate Cat 5 and Cat 5E cable to RJ45 jacks per TIA568A wiring. Use proper stripping and termination tools. Re-mark cable, if need be, to ensure easy identification.
- 5.3. Terminate Coax cable with conical crimp plug connector. Use proper connector and tools for the selected cable. Re-mark cables to allow proper identification.
- 5.4. Snap RJ45 connectors into appropriate opening on the HECC insert.
- 5.5. Securely attach Coax drops to appropriate "F" fittings on the back of the HECC.
- 5.6. Pull Speaker cables through wire management openings and fit insert firmly into frame.
- 5.7. Secure Insert to frame with 4 drywall screws.
- 5.8. Sort out speaker cables dress cable to appropriate terminal. Trim with approximately 1 inch slack, split pair and strip ¼ inch. Attach removable terminal block with clamp screw. Note: Keep "+" and "-" consistent at equipment, terminal block and speakers. Re-mark cable if necessary.
- 5.9. Hook Cover on top of insert with plunger pulled out to open position. Engage plunger with hole on the insert. Push in plunger to secure. Note - Test drops for continuity and shorts as with other similar drops.

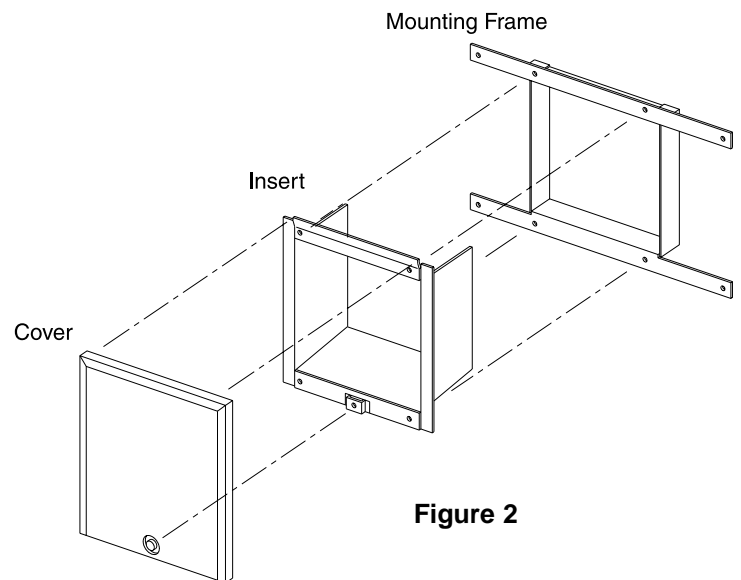


Figure 2

6. Equipment Installation

- 6.1. Attach Telephone, CATV, DSS, and network as typical outlet.
- 6.2. Organize source speaker cables dress cable to appropriate terminal. Trim with approximately 1-inch slack, split pair and strip ¼ inch. Attach removable terminal block with clamp screw.
Note: Keep "+" and "-" consistent at equipment, terminal block and speakers. Mark cable if necessary.
- 6.3. Route cables out the bottom of the HECC and re-attach cover.