

Roomcast - Hotel Minimum Infrastructure Requirements

1. Hospitality grade TV with an available HDMI input and HDMI-CEC support
2. Suitable mounting point for Roomcast (see dimensions below)
3. Mains power socket within 2 metres of Roomcast
4. Internet connectivity. Note a **wired connection is always preferred** over wireless and will give best performance. Although WiFi works well in low density environments like the home, in a high-density environments performance can quickly become an issue. Hotels are by definition a high density environment with multiple access points and wireless clients in a constrained area, furthermore streaming is a relatively high bandwidth application. By keeping streaming traffic on a wired connection WiFi performance for guests is maximised.
5. 2.4GHz wireless can be used if wired not available (subject to further qualification). By definition a wireless connection is susceptible to external influences mostly beyond our control. and if the hotel network is not well specified and scaled for the additional burdens placed on it by streaming almost inevitably problems will arise. In the event that wired connectivity is not available and wireless is the only option, then the incumbent WiFi provider must be fully engaged prior to installation to ensure the network is able to support Roomcast installation.
6. Recommended bandwidth per active Roomcast is 5Mbps. Assuming 10% (this may vary) of units in use at any one time, total bandwidth = (no. of rooms * 5) / 10. So for a 100 room hotel this is $(100 * 5) / 10 = 50\text{Mbps}$. If utilisation is less than 10% concurrently then bandwidth will be less.
7. Clear Internet access to Google (HTTP (TCP/80), HTTPS (TCP/443), DNS (UDP/53) and SNTP (UDP/123)). If the property charges for Internet access then further advice should be sought from TeleAdapt.
8. The purchaser needs to make adequate provision for post-sales support, either in-house or with a third party provider.

