Savant Wiring Guidelines

(11th October, 2011)

General

- All networking connections (including access points, phones and IP cameras) to be home-run to common equipment room
- All local AV sources to be home-run to common equipment room
- Dedicated power connections to a UPS are highly recommended for all sensitive electronic equipment – Savant, TVs, projectors and BluRay Players

Wireless Access Points, Telephones and IP Cameras (up to 100m):

- 1 x CAT5e or CAT6 to each location

TV and Projector Locations (up to 100m):

- HDMI connections cabled with either 5-core coax, CAT5e or fibre (or all three for future-proofing)
- 1 x CAT5e (Control)
- 1 x CAT5e (OSD Remote RF receiver)

BluRay Player and other HDMI Source Locations (up to 100m):

- HDMI connections cabled with either 5-core coax, CAT5e or fibre (or all three for future-proofing)
- 1 x CAT5e (Control)
- 1 x CAT5e (OSD Remote RF receiver)

In-Wall iPad or iPod Touch Dock (up to 100m):

- 1 x CAT5e (Control)
- 1 pr 14AWG (Power)

In-Wall Ipod Media Dock (up to 100m):

- 3 x CAT5e (Audio, video and power/control)

Desktop iPod Media Dock (up to 100m):

- 3 x CAT5e (Audio, video and power/control)

Desktop iPod Media Dock (Local):

- 1 x Component Video (RCA)
- 1 x Stereo Analog Audio (RCA)
- 1 x USB

Recommended cables for HDMI extension

5-Core Coax

- Belden 1279R (60m max)
- Belden 7789R (100m max)
- Tributaries TRIBMINI5 (100m max)

LAN Cable

- CAT5e or CAT6 (100m max)

Fibre

- OM3 multi-mode (300m max)
- Maser OWBP53AR006BK (300m max)