

## Old Farmhouse – New Technology

### Introduction:

An extensive building renovation and extension project at a farmhouse on the Isle of Man has brought major energy conservation benefits. The house has been fully modernised in terms of the plumbing, heating and electrical services with open standard KNX technology providing a 21st century intelligent energy conscious home.

### Key Requirements:

- Energy saving installation
- Easy touch panel controlled
- Integration of building services and AV system
- Future proof flexibility



### KNX Features:

- KNX provides complete control of 16 underfloor heating zones, with individual KNX room thermostats or room controllers.
- KNX heating actuators control the underfloor heating and the heating system includes independent time-clocks, provided on a central touch panel.
- All heating zones are monitored on the touch panel with ability to alter set temperatures and heating modes centrally.
- The domestic hot water loop can also be closed off to specified areas to prevent unnecessary pumping of domestic hot water and conserving energy.
- 52 lighting circuits are controlled by KNX including dimming and scene setting.
- A user friendly touch panel in the kitchen provides a facility for controlling and monitoring the installation from a convenient central location.
- An 8 zone multi-room AV system, a 7-1 surround sound home cinema, a whole house TV distribution system, a data network and a gate video intercom system complete the installation.

### KNX Integrator:

Building Evolution