

# Glenbrook Hall AV Install

**Organisation:** Glenbrook Primary School  
**Industry:** Education  
**Location:** Nottinghamshire

**Challenge:** To install a new AV system to use the full length of the hall.

**Benefits:** Provides a bigger space for school assemblies and school productions.

## Background

When the school was original built in 2015 the contracted AV installers installed the projection and sound system on the longest wall in the hall, this made the install easier as the hall lengthways has full floor to ceiling windows at both ends which cannot be blocked by a projection screen. The brief from the head teacher was to re orientate the hall whilst also maintaining the original equipment so the hall can be used in both configurations. This posed the main issue of blocking the windows with a projection screen, the solution was to install a double drop screen; this allows the screen to be stored flush with the ceiling until needed.

## The Install

For the install we first installed new cabling to each of the four new speakers, these cables were then run to both the original AV point and the new AV point, this allows the sound system to be used from both positions.

The next challenge was to install the 4m 55kg projector screen to the ceiling joists.

This screen has a drop length of 5m and has two motor straps and two safety cables, we uses the safety cables to firstly attach the screen to the staple plates in the roof cavity then raised the screen 2m off the ground to attach the motor straps allowing us to then raise the screen up and calibrate the drop height.

After installing the screen we fitted 3 compartment dado trunking to the wall to contain all the audio and control cables for the projector and sound system. The AV trolley was fitted with a 8 core Speakon cable this allows all the speakers to be connected with one cable making the unit more user friendly. New wireless Microphones and a mixing desk were also installed as well as an Apple Airport, which allows the school to use Apple airplay to play music.

## The Next Step

The next step will be to install a new lighting bar to allow the hall to be used for school productions.

