

# LFG4 Range Hardware Guide

# HARDWARE GUIDE

## 1) Overview

1. The LFG4 combines four standard LFGs into one card.
2. Existing software written for LFG will work with the LFG4.
3. Video input mapping: A standard LFG has inputs VID1..VID4. On an LFG4 the four internal LFGs are named A, B, C and D. Input VID1 of LFG A connects to the BNC labelled A, similarly VID1 of LFG B to BNC B, VID1 of LFG C to BNC C and VID1 of LFG D to BNC D. Inputs VID2..VID4 of each internal LFG are available using additional BNC panels (part number AS-LFG4-PCI-ADP-BNC4).
4. A PCI bus bridge is fitted to allow the four internal LFGs to connect to the PCI or PCI Express bus. This bridge is transparent in operation and needs no programming.
5. The order in which the internal LFGs are found depends on the motherboard and its BIOS, but an application can check to find if it is using LFG A, B, C or D.
6. LFG4-PCI64 is a 64 bit, 66MHz device, but will still work in 5V 32 bit, 33MHz slots.
7. LFG4-PE1 is a 1-lane (x1) PCI Express card that will work in a x1, x4, x8 or x16 slot.

## 2) End Bracket



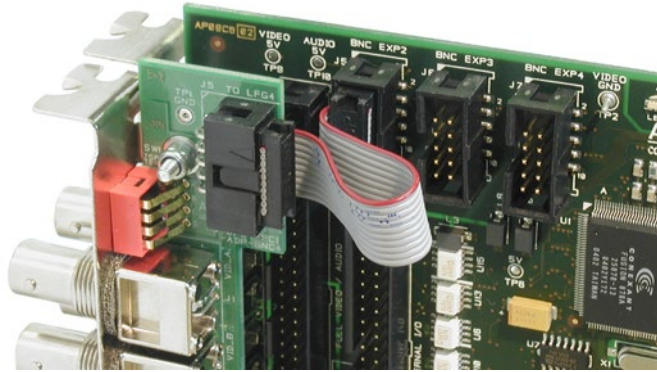
1. The end bracket has 4 BNCs labelled A, B, C and D, connecting to LFG A VID1, LFG B VID1, LFG C VID1 and LFG D VID1 respectively. See over for the video mapping when additional BNC panels are fitted.
2. The four-way switch at the top of the panel controls video termination. Switch A controls termination on BNC A, and is 75 Ohms when set to '75', or open-circuit when set to 'L'. The 'L' position is intended for loop-through operation where another device provides the termination. The switch functions in the same way on both the LFG4 and any additional BNC panels.

## 3) Installation

1. The LFG4 installs in the same way as four standard LFGs.
2. Therefore a total of eight devices will be found by the operating system (4 video, 4 audio).

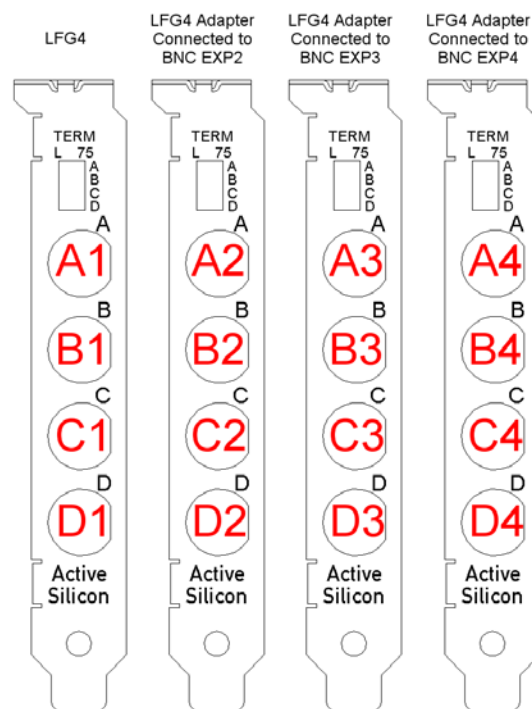
## 4) Additional Video Inputs

1. Additional BNC panels (part number AS-LFG4-PCI-ADP-BNC4) can be connected to provide up to 16 video inputs.
2. Installation: Screw the panel into an adjacent opening in the case. Plug the first panel into "BNC EXP2" (J5) using the supplied cable:



Similarly, connect a second panel into "BNC EXP3" (J6) and a third panel into "BNC EXP4" (J7).

3. Video input mapping:



## SUPPORT

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