

# AV 777 DVR Front Panel

## An (Extremely) Unofficial Hacker's Reference

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### **1 Disclaimer**

All information found in this project, and in this document in particular, was found using hours of testing, poking, and prodding and is provided with NO WARRANTY.

### **2 Motivation**

This project was created to develop an interface driver for the front panel interface board used in the AV 777 DVR. This was primarily to allow its use in casemod projects and recycling projects where it could be used as both an input and output due to the large number of LEDs and buttons.

### **3 Pinout of Primary Connector**

Below is the pinout of the connector (Labeled P1) used to interface with the board:

Function	Pin	Pin	Function
Ground	1	11	Ground
Latch Output 1	2	12	5V+
Latch Output 2	3	13	Input Clock
Latch Output 3	4	14	Input Data
Latch Output 4	5	15	Input Strobe
Latch Output 5	6	16	Output Enable 1
Latch Output 6	7	17	Output Enable 2
Latch Output 7	8	18	Output Enable 3
Latch Output 8	9	19	Output Enable 4
HDD LED Pin	10	20	Ground

Function	Description
Ground	Goes to the 0V common line
5V+	Goes to the 5V common line
Latch Output 1...8	The digital latch outputs
Output Enable 1...4	Turns each latch on (LOW = enable)
HDD LED Pin	Digital input to the HDD light
Input Clock	Clocks the LED shift register
Input Data	Passes in the digital data to the shift register
Input Strobe	Strobes the shift register

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