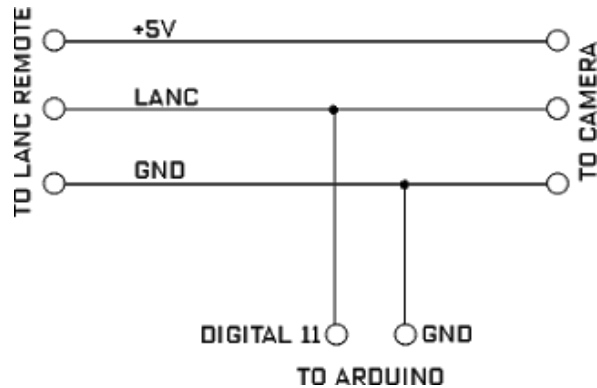


CONTROL YOUR CAMERA

MAC OS X SOLUTIONS FOR COMPUTER CONTROLLED PHOTO AND VIDEO SHOOTING.

SUNDAY, FEBRUARY 13, 2011

Finding out LANC remote commands



To find the commands of a LANC remote you need to solder a LANC extension cable with two additional wires going to the Arduino.

Attention! If your camera works with a LANC voltage of more than 5V this solution can't be used.



BLOG ARCHIVE

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Command	Hex	Binary
START/STOP	18 33	00011000 00110011
STANDBY	18 BC	00011000 01011110
ON SCREEN	18 B4	00011000 10110100
ZOOM WV	28 1E	00101000 00011110
ZOOM W1	28 10	00101000 00010000
ZOOM W2	28 12	00101000 00010010
ZOOM W3	28 14	00101000 00010100
ZOOM W4	28 16	00101000 00010110
ZOOM W5	28 18	00101000 00011000
ZOOM TV	28 0E	00101000 00001110
ZOOM T1	28 00	00101000 00000000
ZOOM T2	28 02	00101000 00000010
ZOOM T3	28 04	00101000 00000100
ZOOM T4	28 06	00101000 00000110
ZOOM T5	28 08	00101000 00001000
FOCUS N	28 45	00101000 01000101
FOCUS F	28 47	00101000 01000111
REC SEARCH +	18 67	00011000 01100111
REC SEARCH -	18 65	00011000 01100101

All LANC commands of a Canon ZR-1000 LANC remote for use with e.g. the [previously mentioned USB to LANC cable](#).

Arduino sketch that repeatedly prints byte 0 and byte 1 of the LANC packet to the Serial Monitor in the Arduino developing environment. Press a button on the remote and watch the command appear.

```

/*
LANC SNIFFER
Version 1.0
Finds out LANC commands from a REMOTE
For the interface circuit see
Feel free to use this code in any way you want
2011, Martin Koch

"LANC" is a registered trademark of SONY.
CANON calls their LANC compatible port "REMOTE"
*/

```

If you try this with other LANC remotes please post your findings (command / hex values) in the comments. I'm especially interested in the additional commands of the Canon ZR-2000 LANC remote.

I found out the useful **PUSH AF** code of the ZR-2000 by trial and error. It is **2843** and has to be send repeatedly for a second or two in order to have an effect. The camera has to be in manual focus mode and Push AF invokes auto focus temporarily

POSTED BY MARTIN KOCH AT 5:24 AM

3 COMMENTS:

Anonymous March 17, 2012 at 12:33 PM

Quite interesting reading. I'm trying to get the other direction working: I'd like to control an Arduino from a LANC controller (Canon ZR-1000). If I got your articles right, I would need to create the reference frame.

Any hints or ideas?

Thanks

Klaus

[Reply](#)



rlajos November 18, 2014 at 2:01 PM

Dear Martin,

First of all great thank you for your work!

I have problem implementing the PUSH AF code (2843) in my Canon HF S G30 camera.

I simple replaced the REC (6) binary code for the 2842 bin value but nothing happens...

Do I make a mistake? Maybe the push AF has a push only behavior and that is the reason?

Would appreciate your help,

Best,

Lajos

[Reply](#)



rlajos November 22, 2014 at 3:10 PM

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