

Restore Bricked Prology iReg-7570SHD

Usual procedure

1. Download similar device firmware.elf
2. Flash using DirectUSB ([Flash firmware using DirectUSB](#))
3. Place our device firmware on SD and flash it using standart procedure or [Flash firmware using autoexec.ash](#)
4. Reset.
5. Restore default settings using device menu

Exceptions

1. firmware may have different standard names
2. firmware may have different partitions magic numbers

different names

it just need to rename the firmware of our device to name that use device which .elf is flashed.

example names:

device	firmware name
Koonlung C75	hd121_50.bin
iReg-7570SHD	hd121_70.bin
Carcam Smart	hd122_50.bin

different magic numbers

that cause need of CRC and magic number hacking using hex editor

1. our .bin file maybe updated to have alien magic numbers
2. alien .elf file maybe updated to have our magic number (preferred)

The screenshot shows the Hex Workshop application with two hex editor windows open. The left window displays the original firmware file, and the right window displays the modified file. The 'Data Inspector' window on the right shows the file's metadata, including the offset 0x0004E000. The 'Structures' window at the bottom left shows the file's structure. The 'Checksum' window at the bottom right shows the calculated checksums for the original and modified files.

Member	Value (dec)	Value (hex)	Size
Document			
Algorithm			
Checksum (32 bit)	2704533622		
Checksum (32 bit)	3329980546		
Checksum/Digest	A133E876		
Checksum/Digest	C67B7882		

As A result we will have something like

Firmware	URL
Original Carcam Smart .elf	20141028_carcam_smart.rar
Magic and CRC updated	20141028_carcam_smart_with_magic_A324EB90.rar