

# HOW TO : MR-MRV-MRB AES KEYS Changer

1/-Input new AES key

MR-MRV-MRB AES Key Changer - (c)MASARE Team - Saoud007 updated by FullDump

Matrix File

Select Firmware Offset: MR 1.160-0x60410

AES Offset Address: 0x60410

Input AES Key

BE 33 09 DF D0 F1 F1 04 AB 91 A0 F0 46 0D EC 0F

Hash Buffer Computed

AES Hash Buffer to Write

AES Hash Buffer Read From File

Write Read

Hash Buffer Is Empty Ver 1.01 28/11/2005 00:17:21

2/-Press « Calculator » button

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Matrix File

Select Firmware Offset: MR 1.160-0x60410

AES Offset Address: 0x60410

Input AES Key

BE 33 09 DF D0 F1 F1 04 AB 91 A0 F0 46 0D EC 0F

Hash Buffer Computed

0x2C=0xB0 BYTES  
UINT Hash\_Buffer[0x2C]={  
0xDF0933BE, 0x04F1F1D0,  
0xF0A091AB, 0x0FEC0D46,  
0x85F6233F, 0xE55C0507,  
0x2B677EE3, 0x21573D32,  
0x2957C69F, 0xCC0BC398,  
0xE76CBD7B, 0xC63B8049,  
0x1F11E007, 0xD31A239F,  
}

AES Hash Buffer to Write

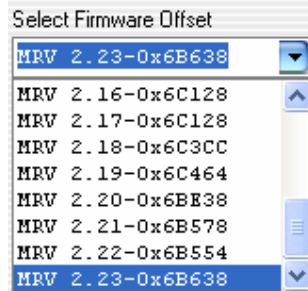
BE3309DFD0F1F104AB91A0F0460DEC0F  
3F23F68507055CE5E37E672B323D5721  
9FC6572998C30BCC7BBD6CE749803BC6  
07E0111F9F231AD3E49E7634AD1E4DF2  
3E99DCAE1BAC67D4524E049E83AFDBB  
1088F817B1323E6AF4168E231C2C7398  
3B1A29268A28174C7E3E996F6212EAF7  
9308D0C01920C78C671E5EE3050CB414  
48A993DD5189545136970AB2339BBEA6  
8FCBA821DE42FC70E8D5F6C2DB4E4864  
F31300461E26EF6185BC78FED647D146

AES Hash Buffer Read From File

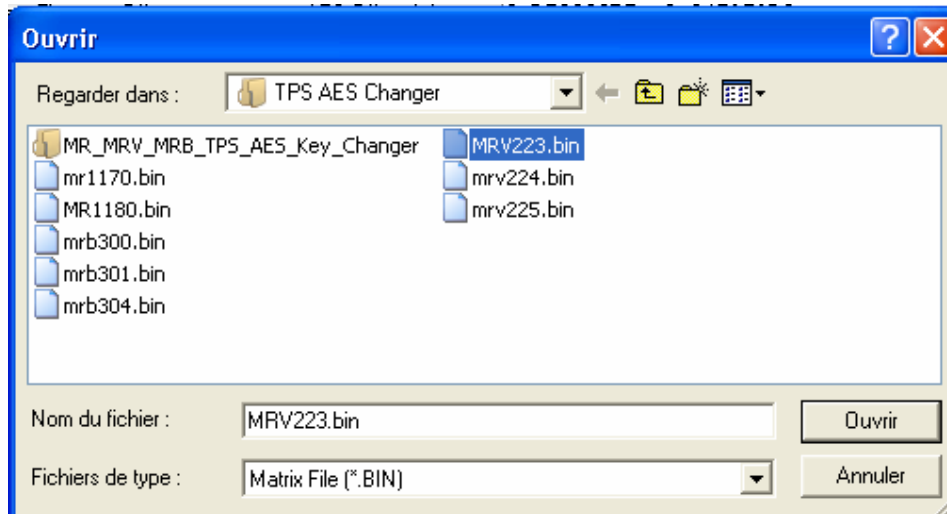
Write Read

Hash Buffer Not Empty Ver 1.01 28/11/2005 00:18:41

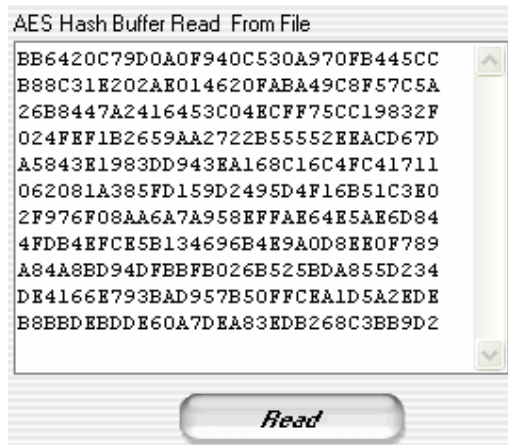
3/-Select MR/MRV or MRB firmware version will be loading



4/-Load BINARY File



5/-Read Old AES Buffer stored in file

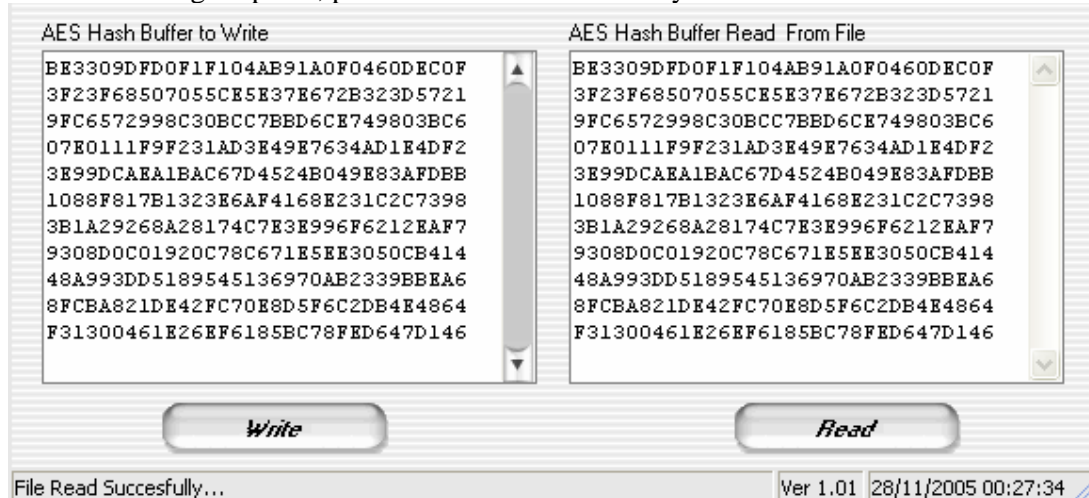


6/-Press « WRITE » button for updating new Hash buffer.

A message appear in status bar « Checksum file recomputed successfully... »



To confirm a right update, press « READ » button and you see new hash buffer stored in file.



7/-Load another MR-MRV-MRB firmware & press Write button to update AES Hash Buffer in several firmware

8/-Update your cam

Thanks To Saoud007 for AES algo Calculator

Thanks To ForestGump for all screenshots

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