4 HDD pairing

Objective

1.   To pair STB and a hard disk.

Syntax

Configure STB (0xC5)

Operation=0xA

Length=calculated

IRD_command(){

   header(){

   }

   addressing_info()

   payload{

     pattern (16 bits)

   }

}

Example

to pair STB and HDD with serial number xyz12345678, pattern = 78797A3132333435363738

to pair STB with any HDD, pattern = 000000000000000000000000000000000000000000000000000000000000 (thirty 00)

Description

1.   Once received, keep the HDD serial number to flash.

2.   If a HDD is already connected, check its serial number against the stored serial number. If data matches, M/W is allowed to access the HDD; if not, show an popup telling that HDD is not paired. However, if a universal HDD serial number is set, it means that the STB is for debug purpose, and is paired with any connected HDD.   The maximum length of serial number are 30 characters, no＇0＇ padding. If thirty ＇0＇ is sent, it means universal pairing. That is, STB is paired with any HDD.

3.   Check every time when a HDD is newly connected with the same way as step B.

4.   If users is authorized to use DVR service, but no paired HDD, keep DVR related GUI, but once users try to record, alert ＂Paired HDD not found＂. Alert only when any kind of recording, or when users try to make a recording reservation, or 3 minutes before recording starts, but not on timeshift.

5.   If M/W is recording, stop and alert ＂Paired HDD not found＂.

6.   If HDD capacity is set, check if recorded content exceeds capacity.