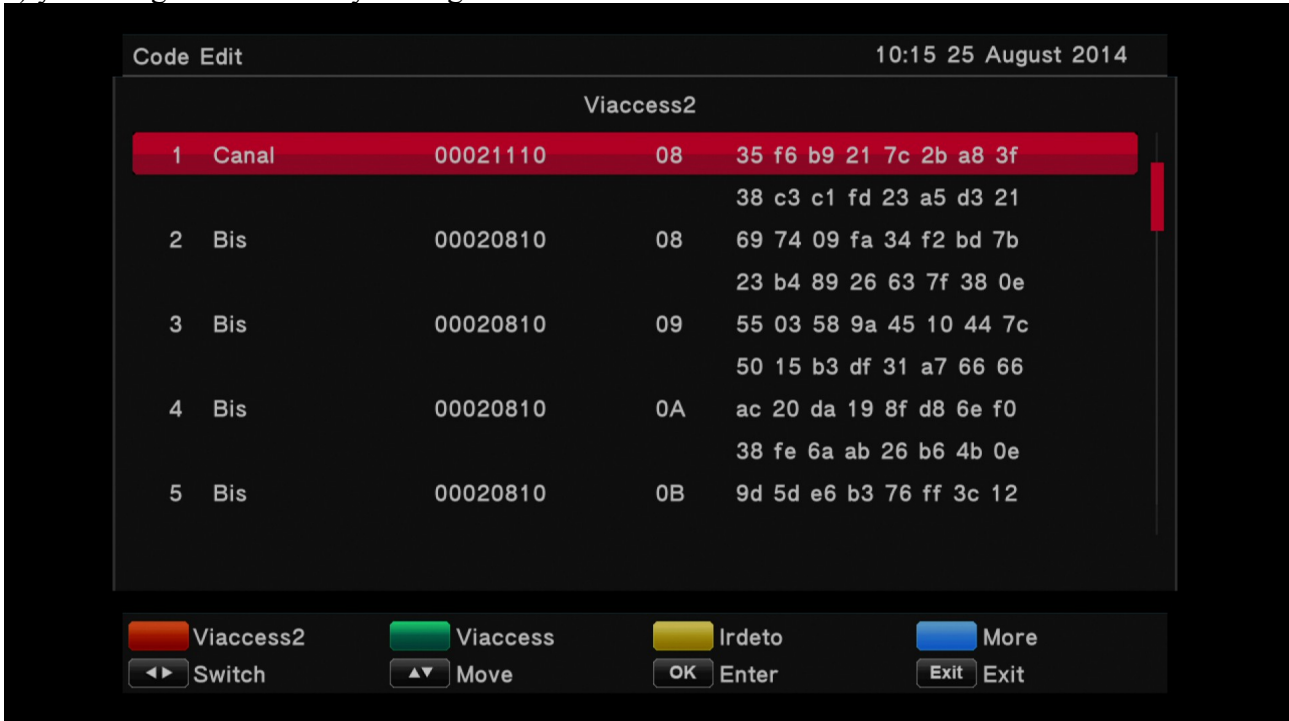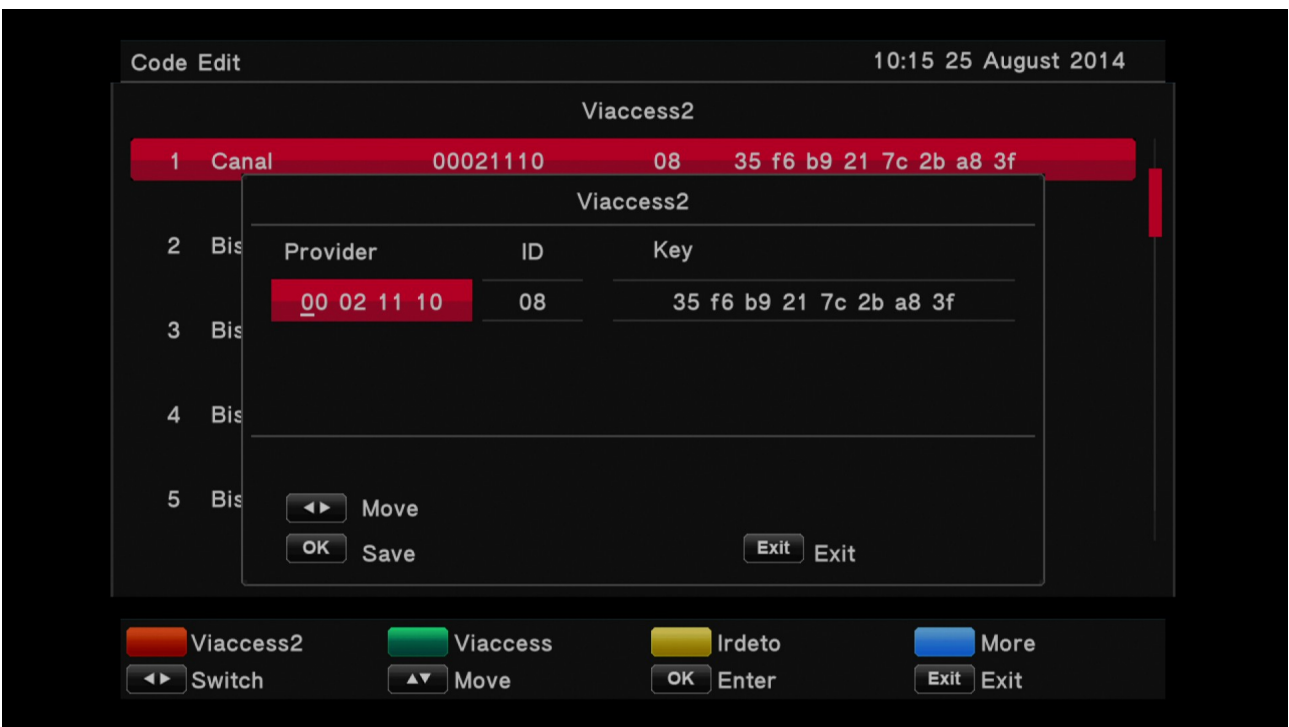# Keys` update Ferguson Ariva S300

1. Key editing ditectly on STB
a) please make sure that you`re using the **FULL** firmware version:)
b) go to **Menu** and type **6666**
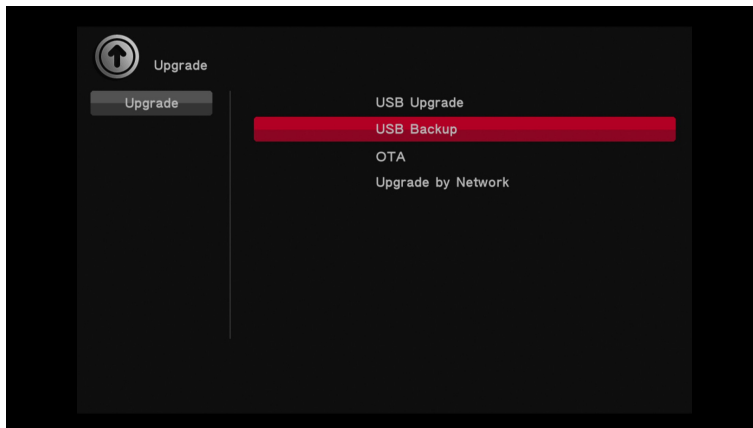c) you will get access to key editing menu

d) to edit the keys use the **OK** button. You can type in the new values with the numeric RCU`s keys
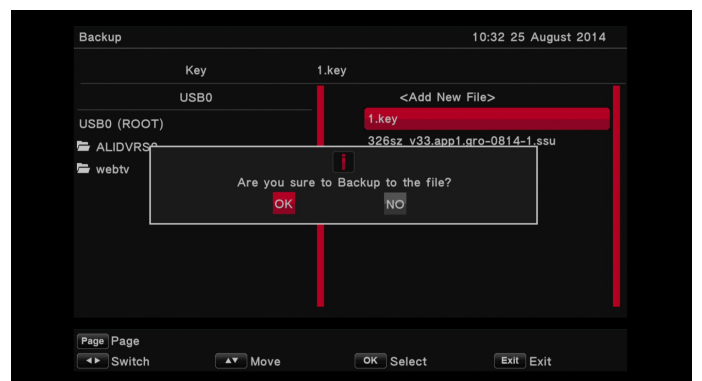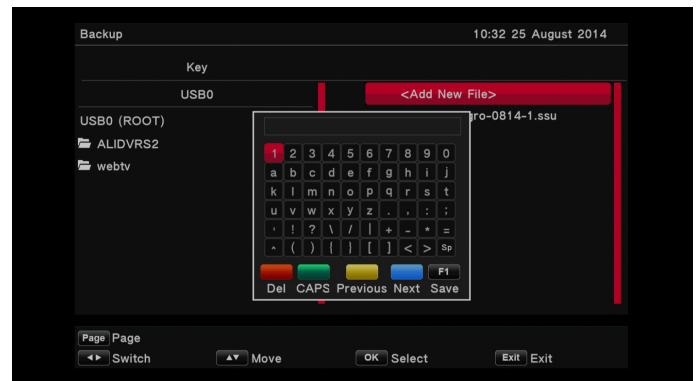
2. Keys backup on USB
a) please make sure that you`re using the **FULL** firmware version:)
b) go to **Menu>Upgrade>USB backup**
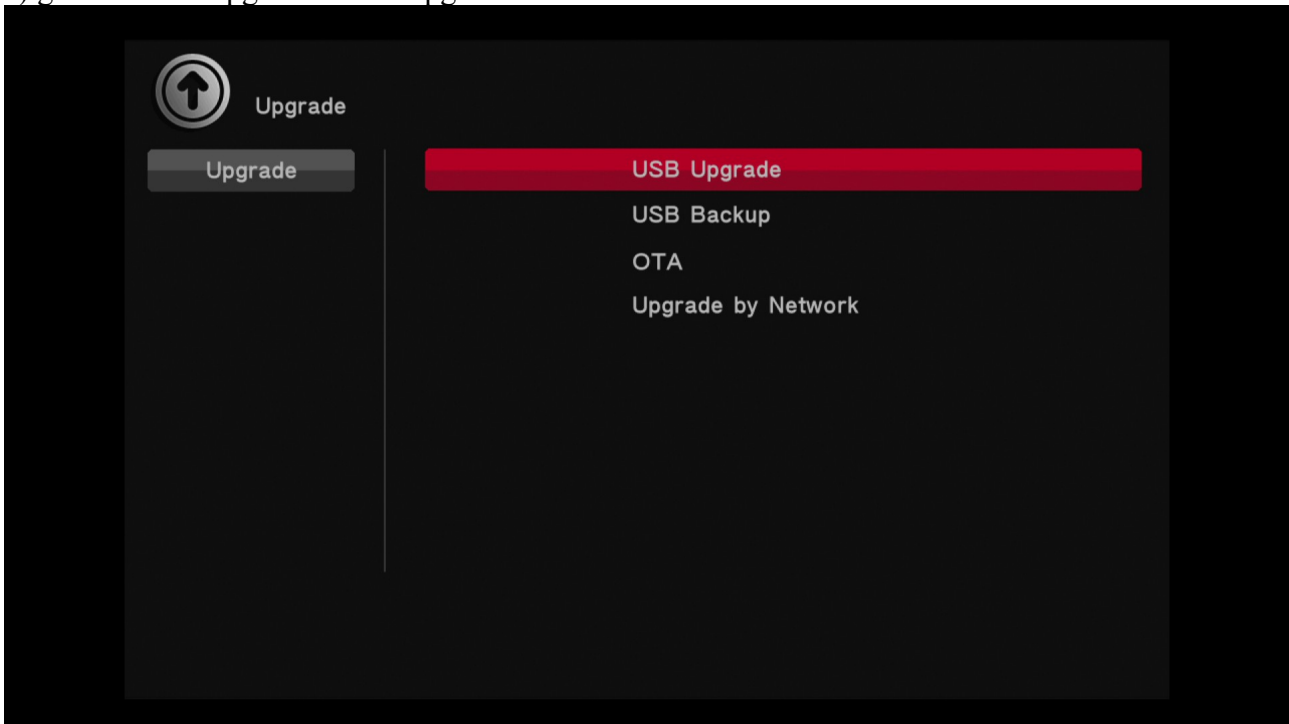

c) choose **keys**

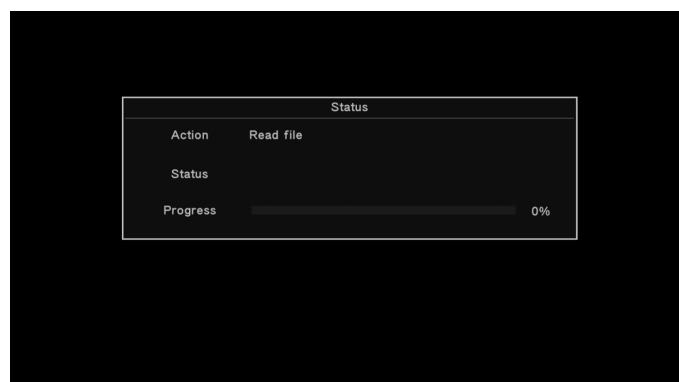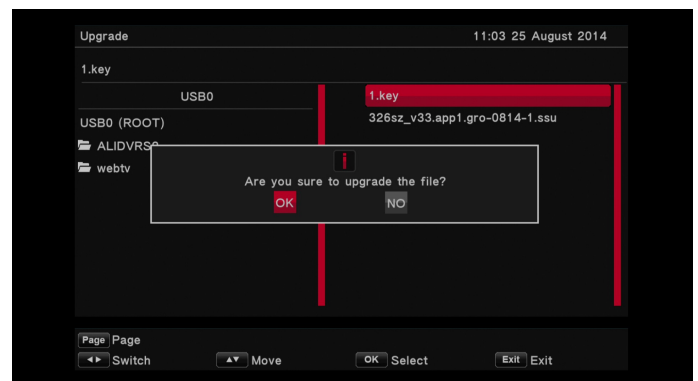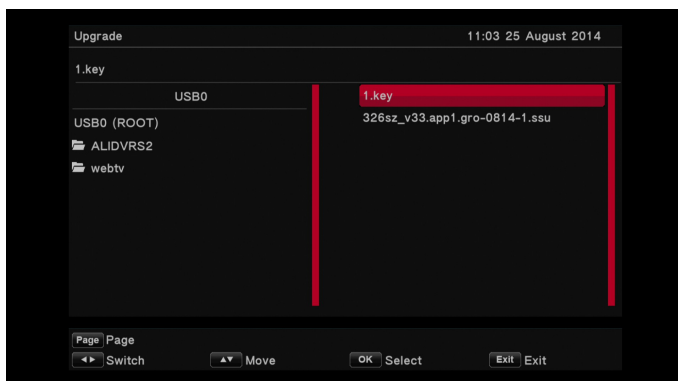d) go to the right window>choose **add new file>** name the file>save it with **F1**

3. Updating the keys in the STB with a .key file.

a) please make sure that you`re using the FULL firmware version:)
b) connect the USB with the .key file to the STB
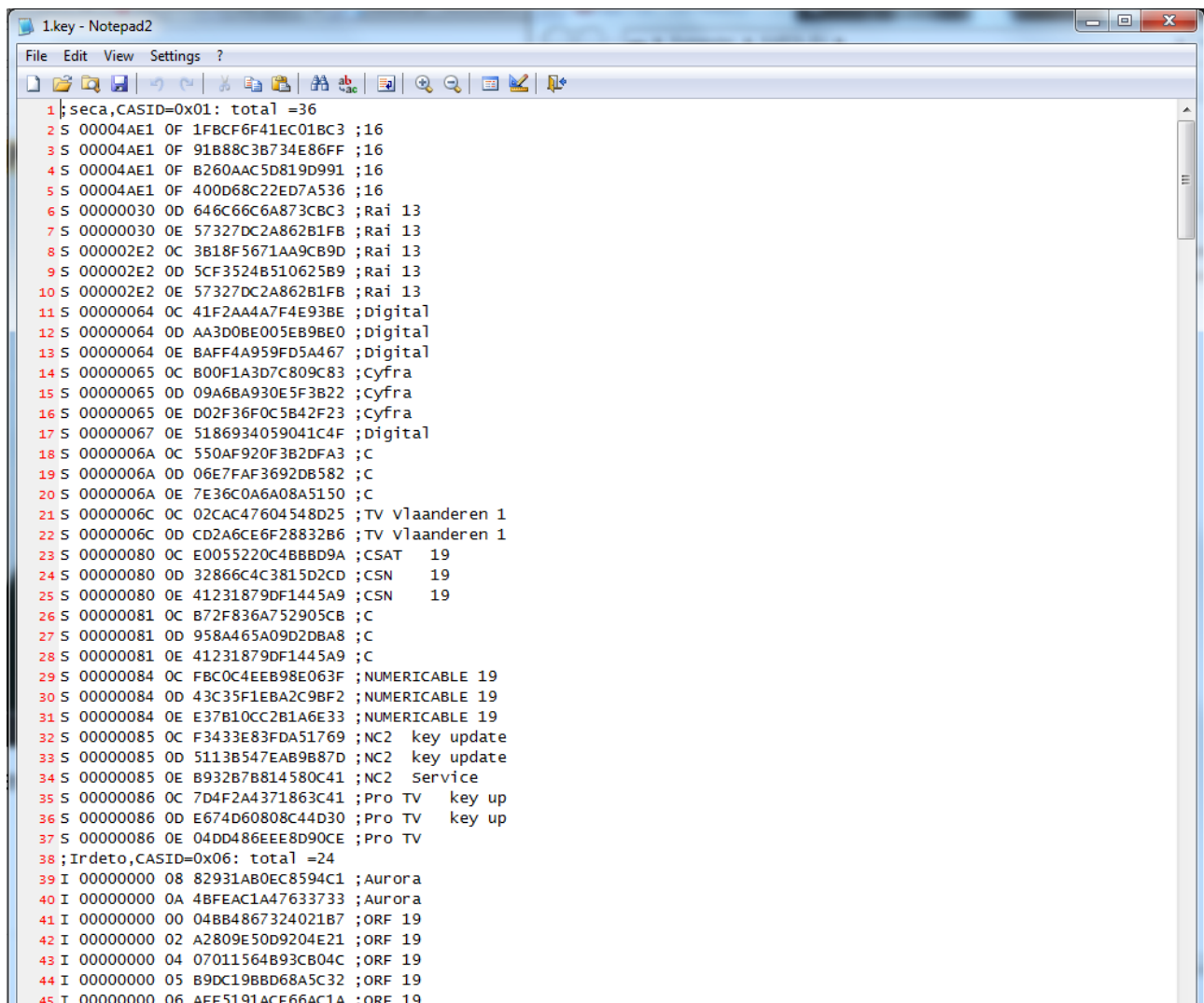c) go to Menu>Upgrade>USB Upgrade

d) go to the right window>choose **the .key file>** >confirm with OK

4. Manual edit of keys on PC

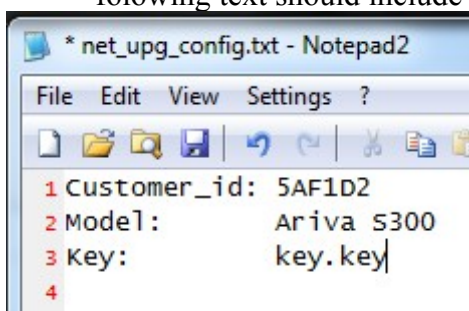a) established .key file open with any .txt files programm and change the values. Save the changes.

```
1.key - Notepad2
File  Edit  View  Settings  ?

  1 ;seca,CASID=0x01: total =36
  2 S 00004AE1 0F 1FBCF6F41EC01BC3 ;16
  3 S 00004AE1 0F 91B88C3B734E86FF ;16
  4 S 00004AE1 0F B260AAC5D819D991 ;16
  5 S 00004AE1 0F 400D68C22ED7A536 ;16
  6 S 00000030 0D 646C66C6A873CBC3 ;Rai 13
  7 S 00000030 0E 57327DC2A862B1FB ;Rai 13
  8 S 000002E2 0C 3B18F5671AA9CB9D ;Rai 13
  9 S 000002E2 0D 5CF3524B510625B9 ;Rai 13
 10 S 000002E2 0E 57327DC2A862B1FB ;Rai 13
 11 S 00000064 0C 41F2AA4A7F4E93BE ;Digital
 12 S 00000064 0D AA3D0BE005EB9BE0 ;Digital
 13 S 00000064 0E BAFF4A959FD5A467 ;Digital
 14 S 00000065 0C B00F1A3D7C809C83 ;Cyfra
 15 S 00000065 0D 09A6BA930E5F3B22 ;Cyfra
 16 S 00000065 0E D02F36F0C5B42F23 ;Cyfra
 17 S 00000067 0E 5186934059041C4F ;Digital
 18 S 0000006A 0C 550AF920F3B2DFA3 ;C
 19 S 0000006A 0D 06E7FAF3692DB582 ;C
 20 S 0000006A 0E 7E36C0A6A08A5150 ;C
 21 S 0000006C 0C 02CAC47604548D25 ;TV Vlaanderen 1
 22 S 0000006C 0D CD2A6CE6F28832B6 ;TV Vlaanderen 1
 23 S 00000080 0C E0055220C4BBBD9A ;CSAT    19
 24 S 00000080 0D 32866C4C3815D2CD ;CSN     19
 25 S 00000080 0E 41231879DF1445A9 ;CSN     19
 26 S 00000081 0C B72F836A752905CB ;C
 27 S 00000081 0D 958A465A09D2DBA8 ;C
 28 S 00000081 0E 41231879DF1445A9 ;C
 29 S 00000084 0C FBC0C4EEB98E063F ;NUMERICABLE 19
 30 S 00000084 0D 43C35F1EBA2C9BF2 ;NUMERICABLE 19
 31 S 00000084 0E E37B10CC2B1A6E33 ;NUMERICABLE 19
 32 S 00000085 0C F3433E83FDA51769 ;NC2  key update
 33 S 00000085 0D 5113B547EAB9B87D ;NC2  key update
 34 S 00000085 0E B932B7B814580C41 ;NC2  Service
 35 S 00000086 0C 7D4F2A4371863C41 ;Pro TV   key up
 36 S 00000086 0D E674D60808C44D30 ;Pro TV   key up
 37 S 00000086 0E 04DD486EEE8D90CE ;Pro TV
 38 ;Irdeto,CASID=0x06: total =24
 39 I 00000000 08 82931AB0EC8594C1 ;Aurora
 40 I 00000000 0A 4BFEAC1A47633733 ;Aurora
 41 I 00000000 00 04BB4867324021B7 ;ORF 19
 42 I 00000000 02 A2809E50D9204E21 ;ORF 19
 43 I 00000000 04 07011564B93CB04C ;ORF 19
 44 I 00000000 05 B9DC19BBD68A5C32 ;ORF 19
 45 I 00000000 06 AFF5191ACE66AC1A :ORF 19
```

5. Uploading the .key file on a ftp server/Downloading the .key from ftp server

a) Uploading the .key file on a ftp server
   - Copy the .key file and config file to the root directory of the HTTP or FTP server (the config file name must be: **net_upg_config.txt**）
   - folowing text should include the config file (you can use any .key name)

```
* net_upg_config.txt - Notepad2
File  Edit  View  Settings  ?

 1 Customer_id: 5AF1D2
 2 Model:      Ariva S300
 3 Key:        key.key
 4
```

b) Downloading the .key from ftp server
- please make sure that you`re using the FULL firmware version:)
- go to Menu>Upgrade>Upgrade by Network
- choose by upgrade type **Upgrade key**
- type in all the ftp settings (host, user, password) and confirm