

FLASHLOAD (HOT & COLD)

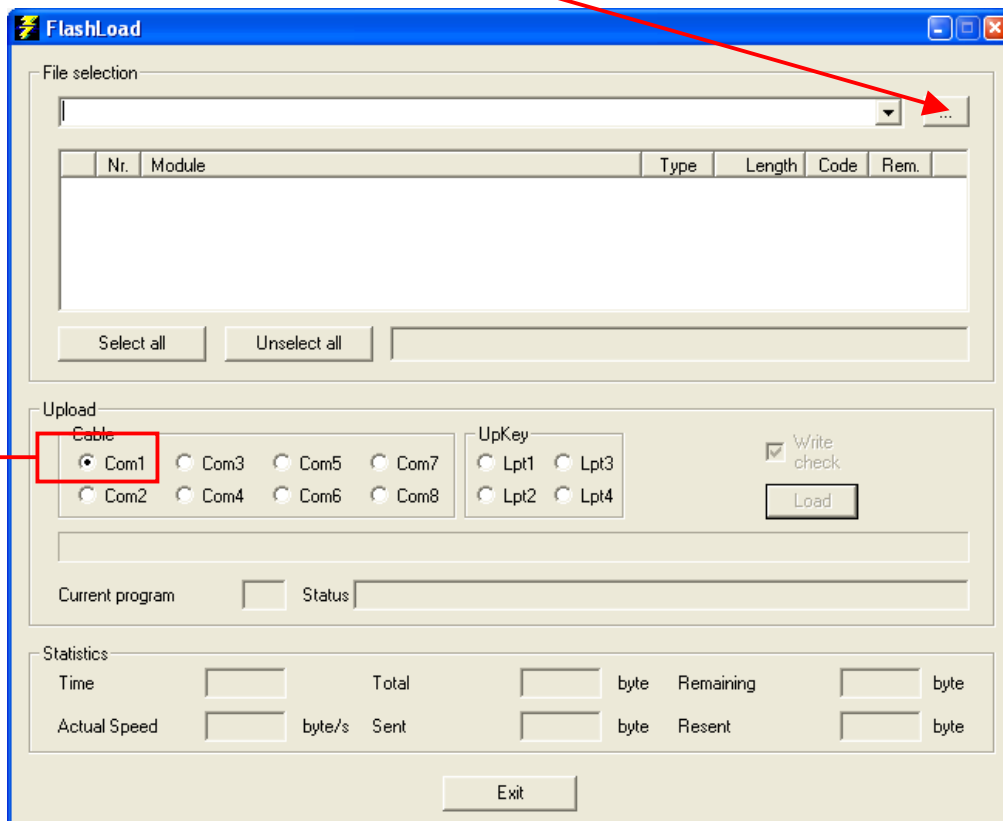
Flashload is a software necessary to program CPU and ENGINE boards in N&W vending machines

1. BOOT + FIRMWARE

In this case we have to download the complete software (BOOT + FIRMWARE)

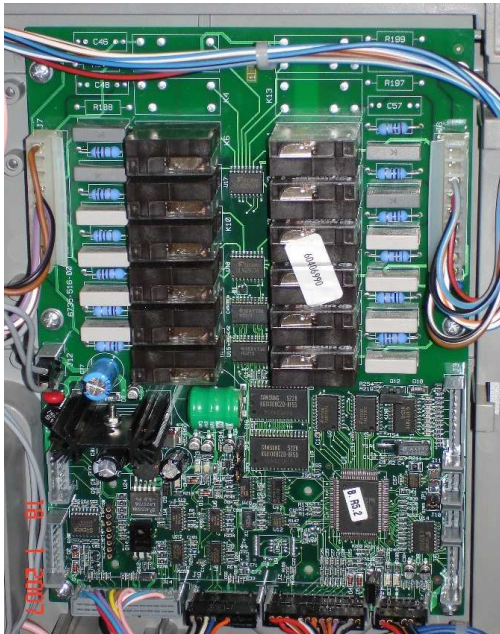
ENGINE CARD

- **SWITCH OFF** vending machine
- disconnect CAN BUS cable **J6**
- open FLASHLOAD
- select **COM** port used in the computer
- press here for searching the file




- select **Boot ENGINE CARD 4M** if the board has a yellow mark (4 Megabyte microprocessor) or **Boot ENGINE CARD 2M** without any yellow mark (2 Megabyte microprocessor)
- select firmware **MACCHINA 2M/4M Rev.....**

ACTUATION / CPU BOARD **WITHOUT**
YELLOW INDICATOR



ACTUATION / CPU BOARD
WITH YELLOW INDICATOR




FlashLoad

File selection

G:\Windat\ING_P\PROG_EL\EPROMS\BRIO3\Brio3 ES 12 BEL\NBE12BELT.bin

| | Nr. | Module | Type | Length | Code | Rem. |
|-------------------------------------|-----|--------------------------------------|------|--------|------|------|
| <input type="checkbox"/> | 1 | Boot Brio3 engine card 2M rev. 5.8 | Boot | 9144 | 0051 | |
| <input checked="" type="checkbox"/> | 2 | Boot Brio3 engine card 4M rev. 5.8 | Boot | 8962 | 0051 | |
| <input type="checkbox"/> | 3 | Boot Brio3 CPU 2M rev. 5.8 | Boot | 15512 | 0050 | |
| <input type="checkbox"/> | 4 | Boot Brio3 CPU 4M rev. 5.8 | Boot | 15656 | 0050 | |
| <input checked="" type="checkbox"/> | 5 | BRIO3 Macchina 2M/4M ES Rev. 1.2 BEL | Prog | 130892 | 002F | 404 |

Select all
Unselect all
Warning: you need a five-wire cable to load this file!

Upload

Cable

☒ Com1
☐ Com3
☐ Com5
☐ Com7

☐ Com2
☐ Com4
☐ Com6
☐ Com8

UpKey

☐ Lpt1
☐ Lpt3

☐ Lpt2
☐ Lpt4

☒ Write check

Load

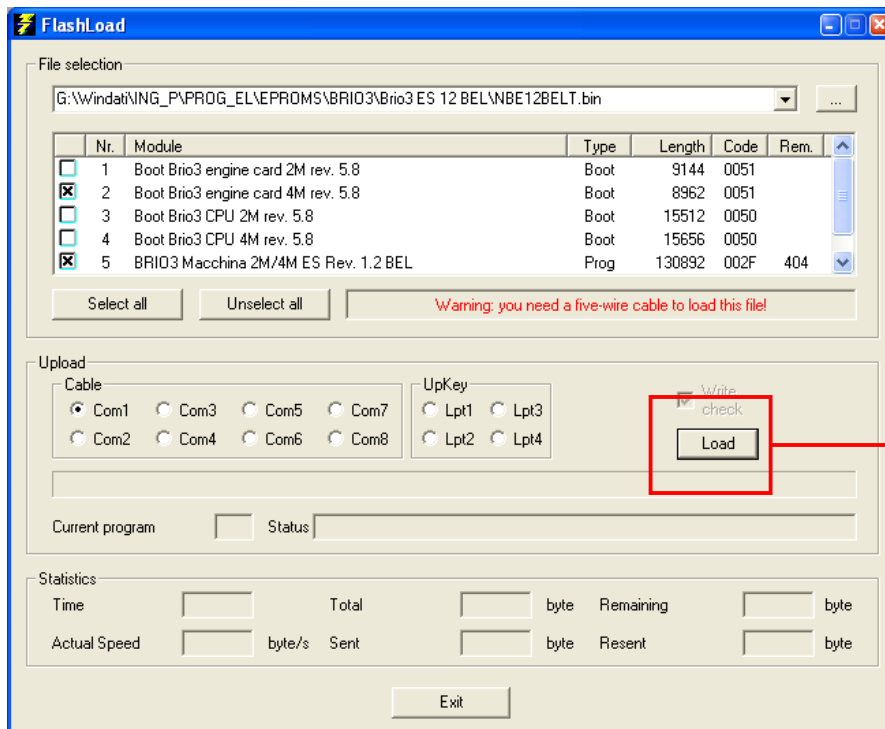
Current program
Status

Statistics

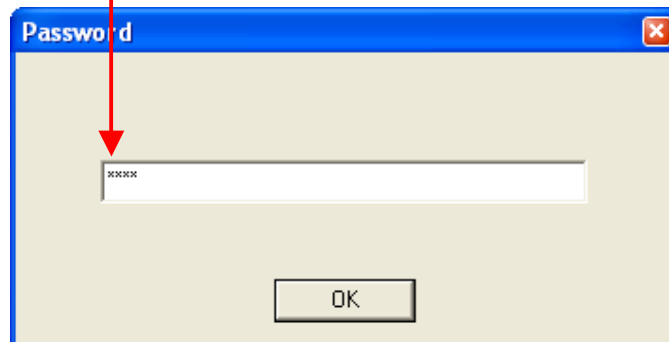
Time
Total
byte
Remaining
byte

Actual Speed
byte/s
Sent
byte
Resent
byte

Exit

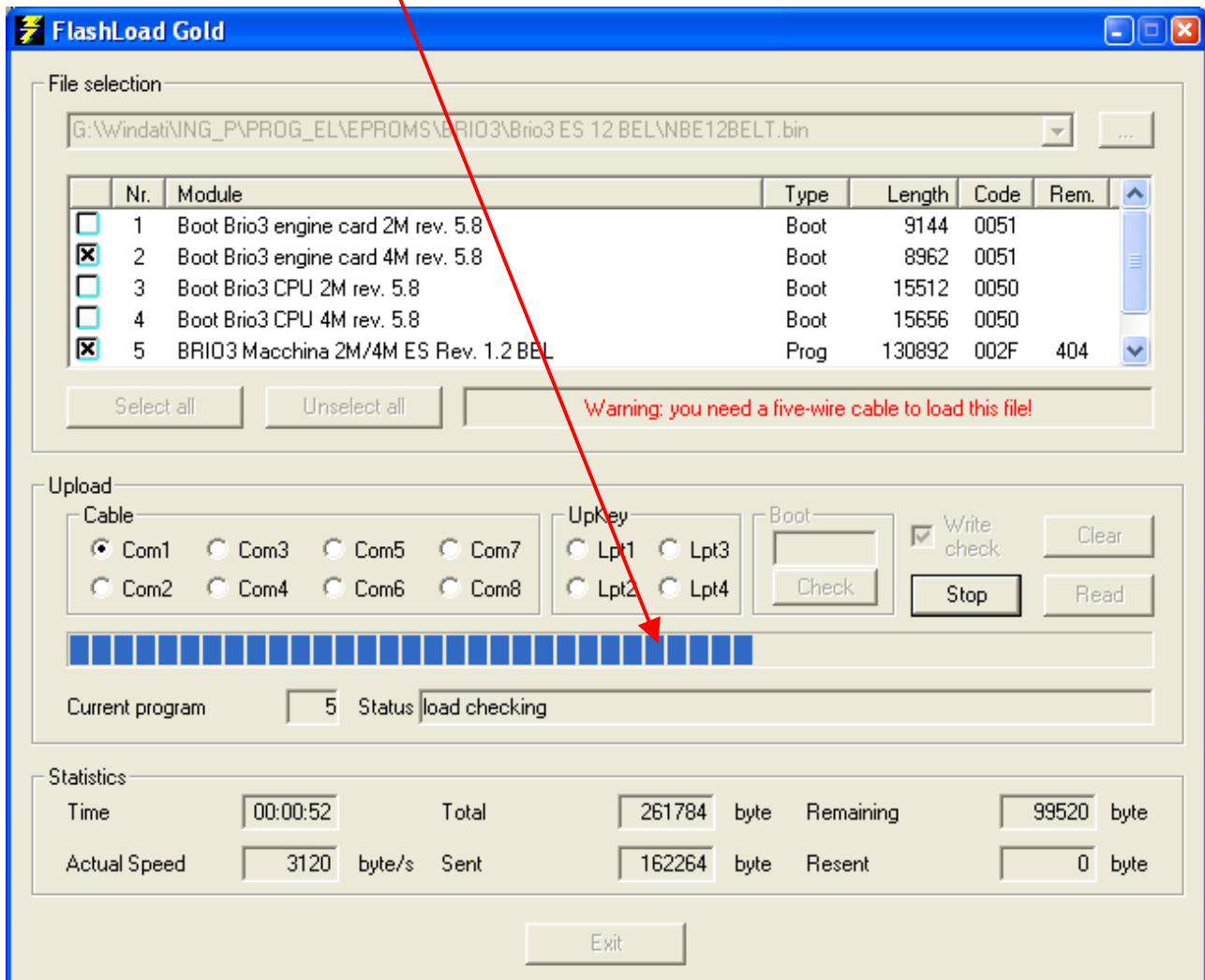


- connect the cable code **250629** between the PC and the connector **J13** on the board
- press **LOAD** command
- write the password **rh4d**

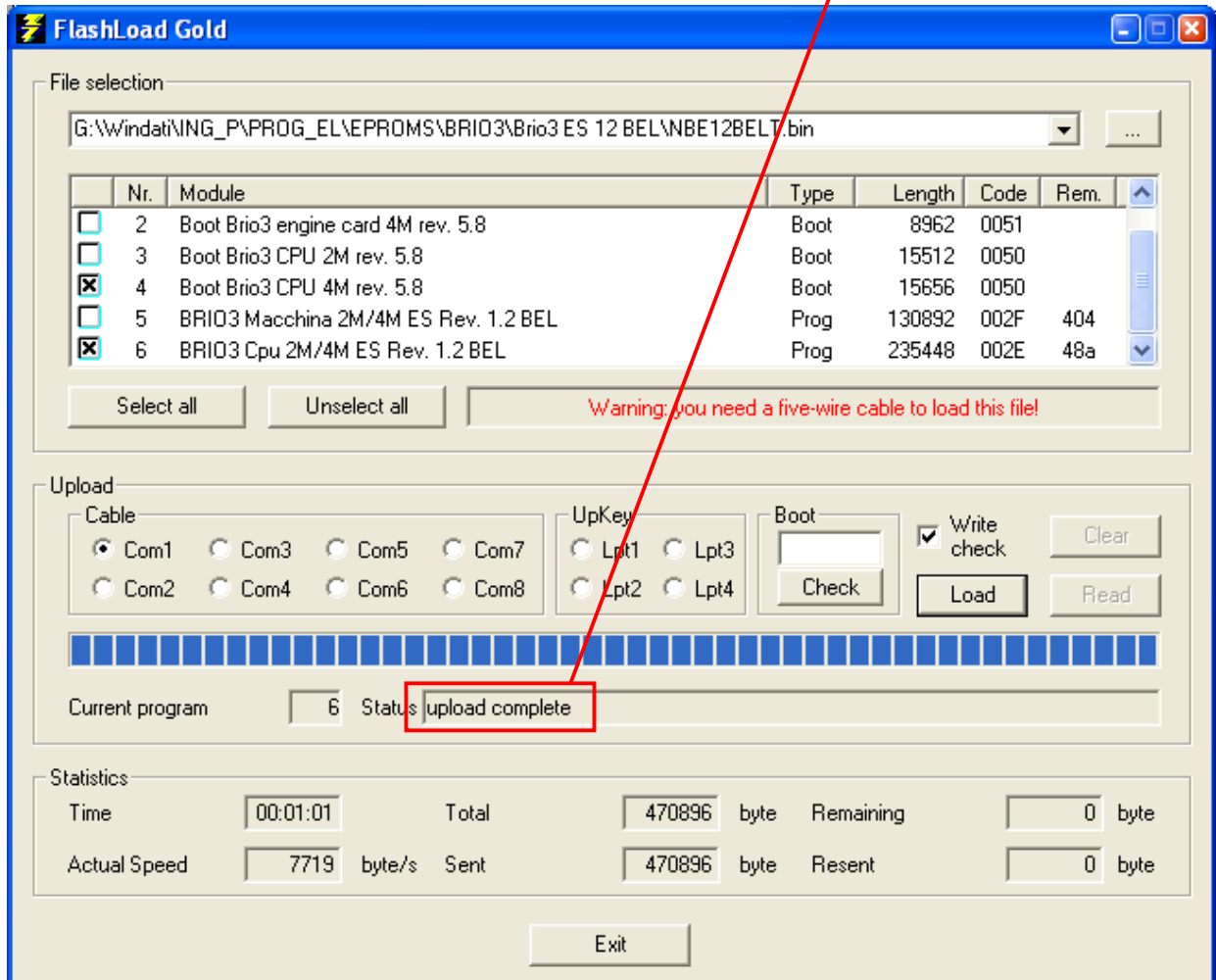


- press **OK**
- **SWITCH ON** vending machine
- once activated the link with vending machine the messages “**Link active**” and then “**Load checking**” are displayed

- automatically **Boot** and then **firmware** selected before are loaded in ENGINE card (the status bar is in process)



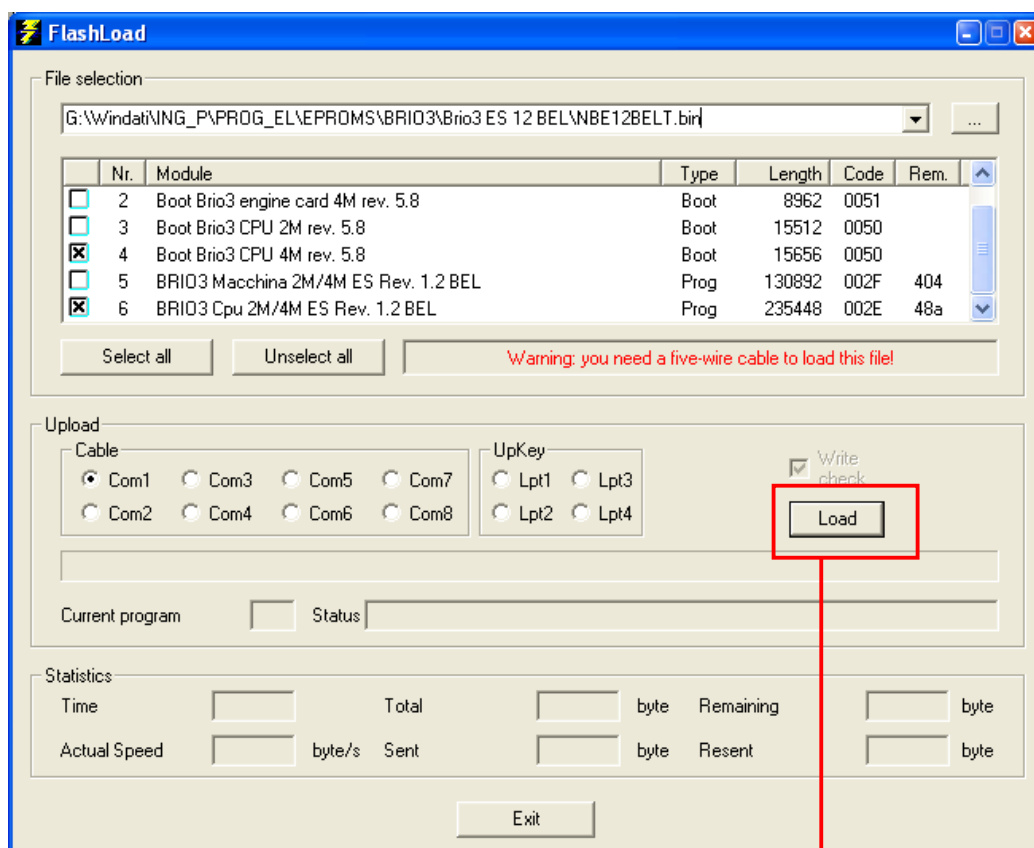
- once finished the procedure, message “**Upload completed**” is displayed



- **SWITCH OFF** vending machine
- Remove the cable from the connector **J13** on ENGINE card

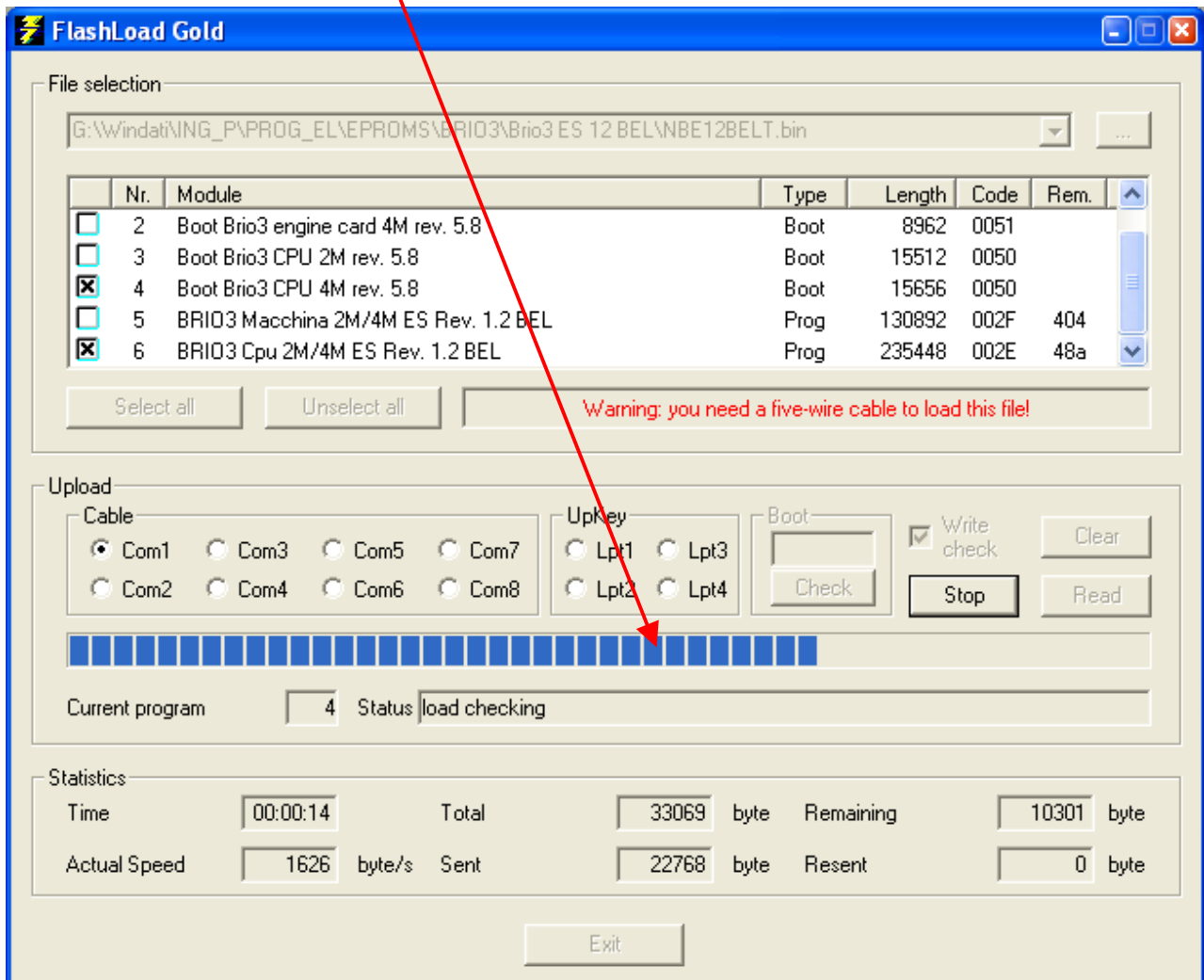
CPU CARD

- remove jumper **JP3**
- disconnect the RS 232 serial port cable from the connector **J5** on the board
- de-select BOOT and FIRMWARE for ENGINE card selected previously
- select **Boot CPU 4M** if the board has a yellow mark (4 Megabyte microprocessor) or **Boot CPU 2M** without any yellow mark (2 Megabyte microprocessor)
- select firmware **CPU 2M/4M Rev.....**

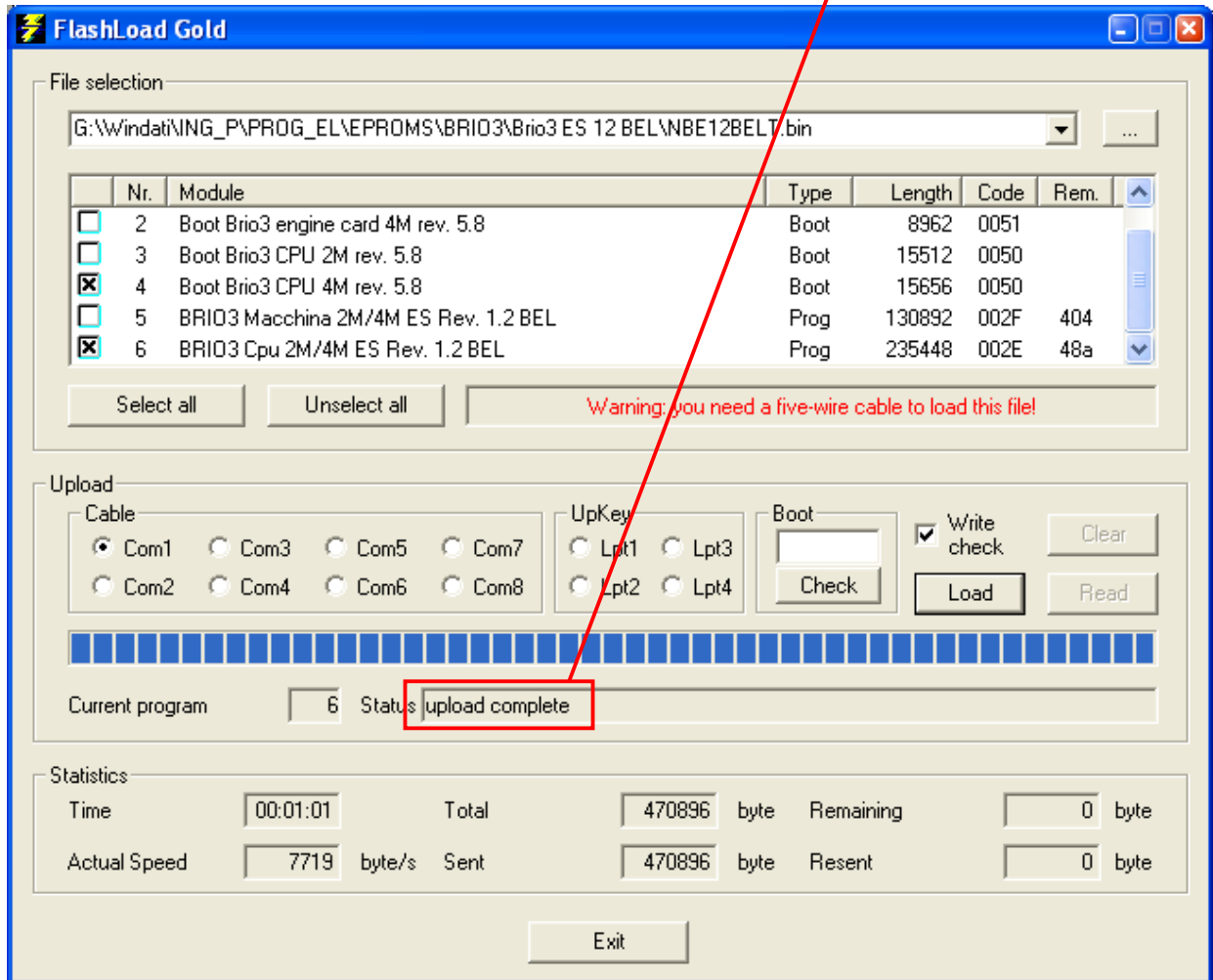


- connect the cable code **250629** between the PC and the connector J5 on the board
- press **LOAD** command

- **SWITCH ON** vending machine
- once activated the link with vending machine the messages “**Link active**” and then “**Load checking**” are displayed
- automatically **Boot** and then **firmware** are loaded in the CPU card (the status bar is in process)



- once finished the procedure, the message “**Upload completed**” is displayed



- **SWITCH OFF** vending machine
- Remove the cable from the connector **J5** on CPU card
- Put again jumper **J3** on the board
- connect RS 232 serial port connector in connector **J5**
- connect again CAN BUS cable in the connector **J6** on the **ENGINE CARD**

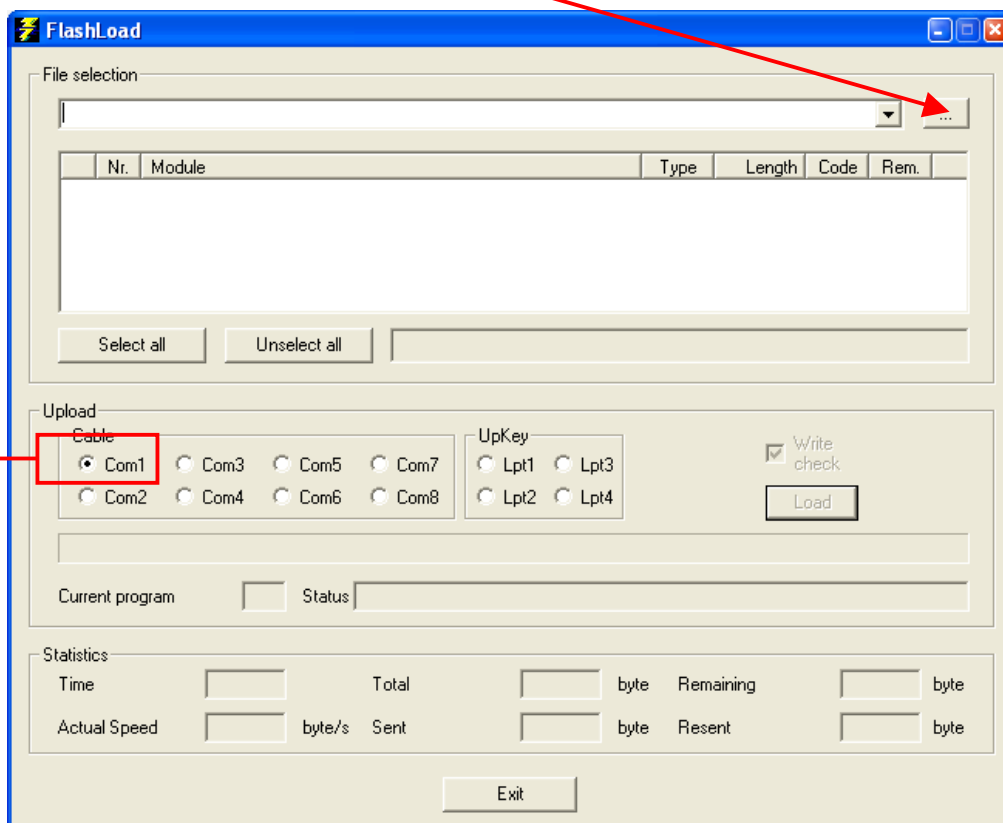
DON'T FORGET:

INITIALIZE the vending machine going into **TECHNICAL** menu of **PROGRAMMING**

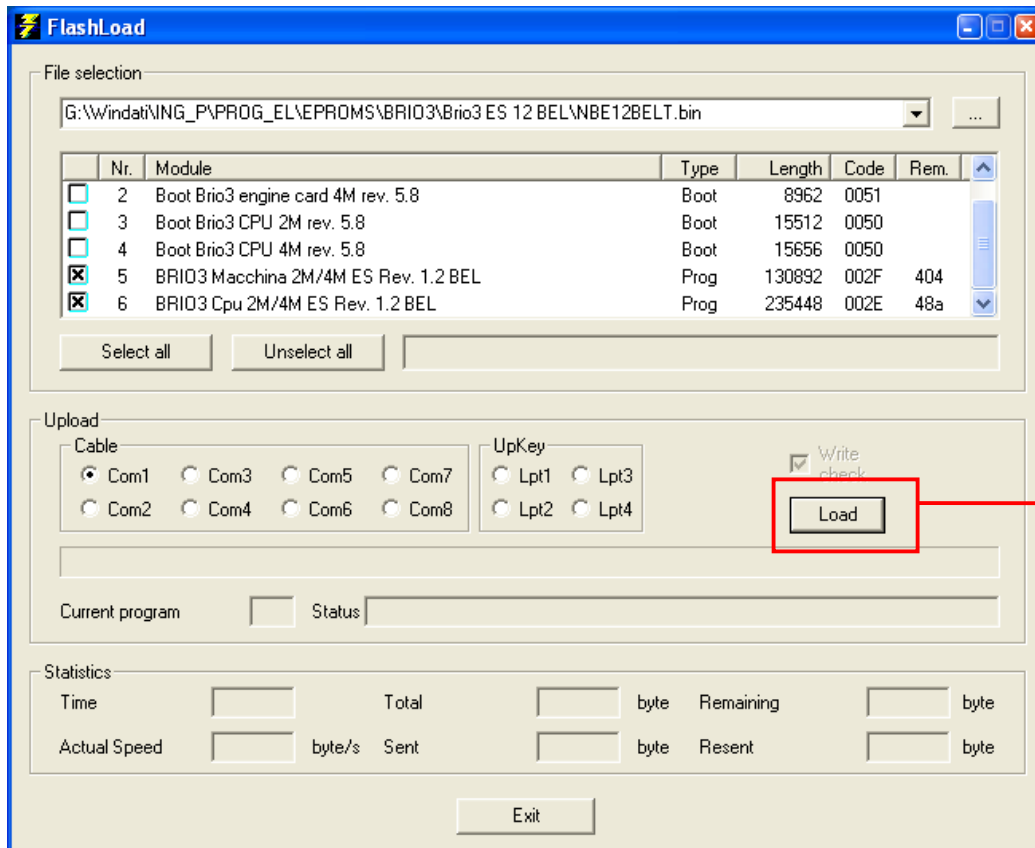
2. FIRMWARE

In this case we have only to update the firmware in **CPU** and **ENGINE** boards

- **SWITCH OFF** vending machine
- open FLASHLOAD
- select **COM** port used in the computer
- press here for searching the file

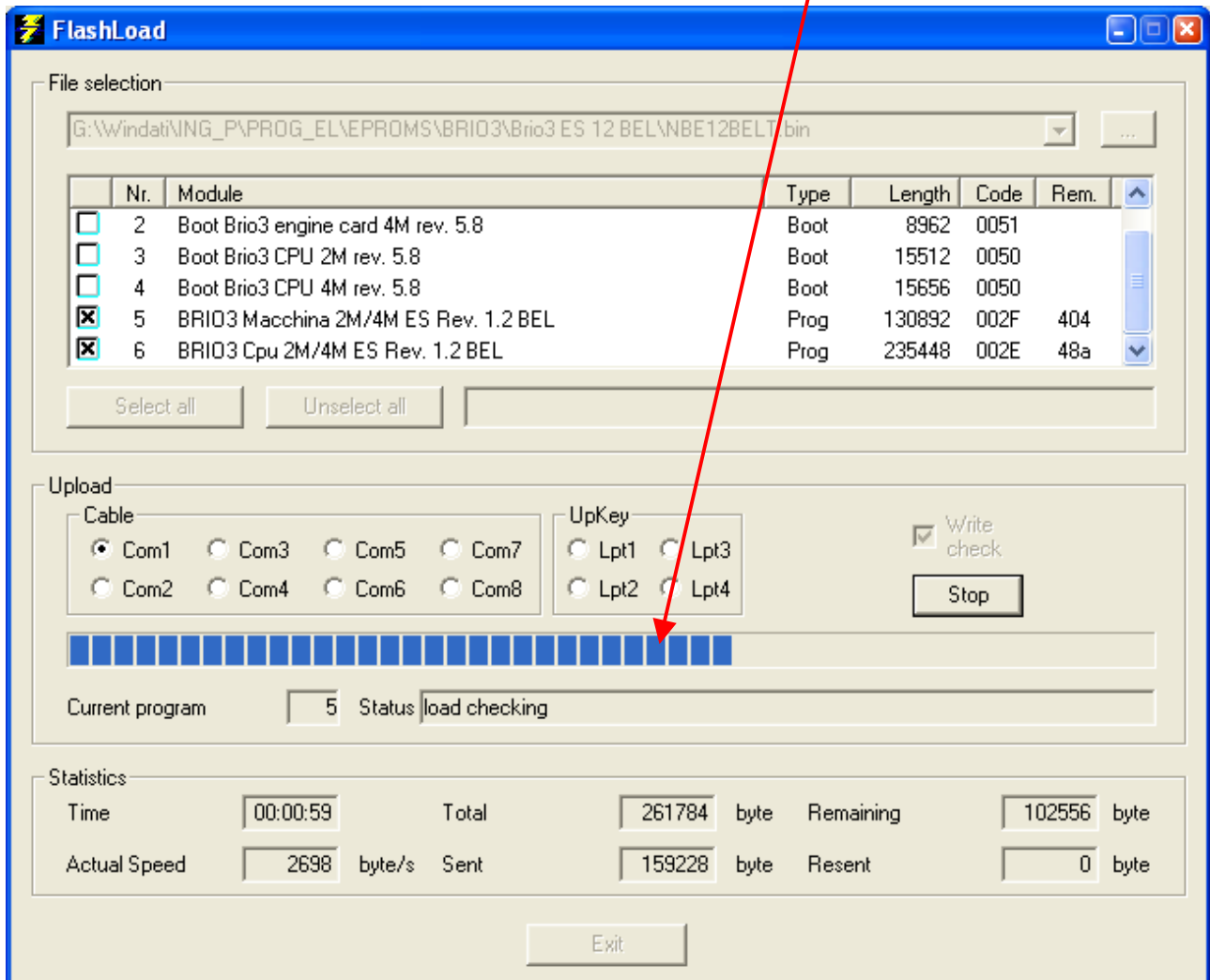


- select firmware **MACCHINA 2M/4M Rev...**and **CPU 2M/4M Rev.....**

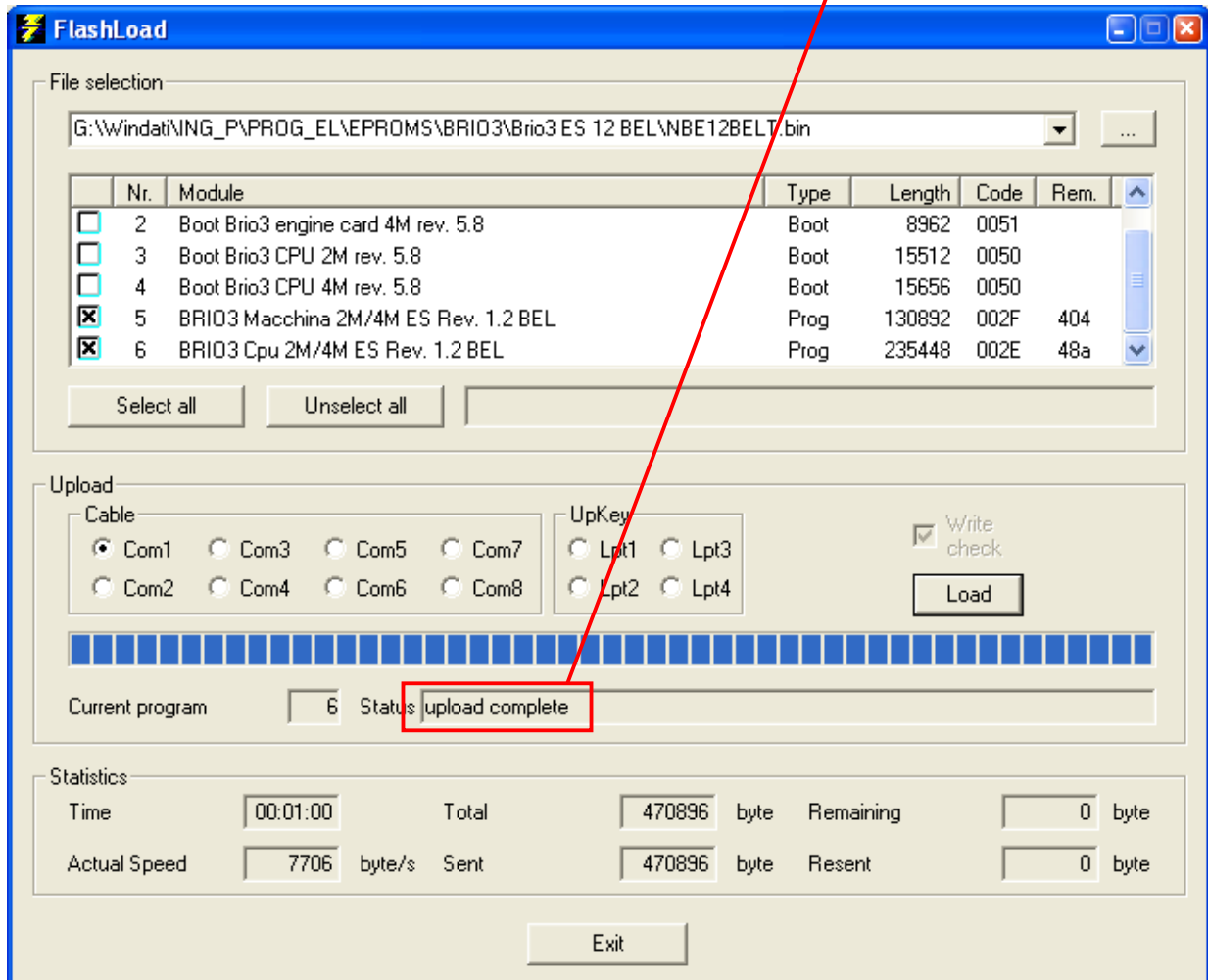


- connect the cable code **250629** between the PC and the connector **J5** on **CPU board**
- press **LOAD** command

- **SWITCH ON** vending machine
- once activated the link with vending machine the messages “**Link active**” and then “**Load checking**” are displayed
- automatically **firmware** selected are loaded first in ENGINE card throw the CAN BUS cable and then in CPU one (the status bar is in process)



- once finished the procedure, the message “**Upload completed**” is displayed



- **SWITCH OFF** the vending machine
- Remove the cable from the connector **J5** on CPU card
- connect RS 232 serial port connector in connector **J5**

DON'T FORGET:

INITIALIZE the vending machine going into **TECHNICAL** menu of **PROGRAMMING**