Controller Firmware Update Instructions
BCU1 Controller

Operators: M-Bar, L-Bar, and any operators using the BCU1 controller board.

Subject: Instructions for updating BCU1 controller firmware using the Nice Oview hardware programmer. (with OVBT Bluetooth module).
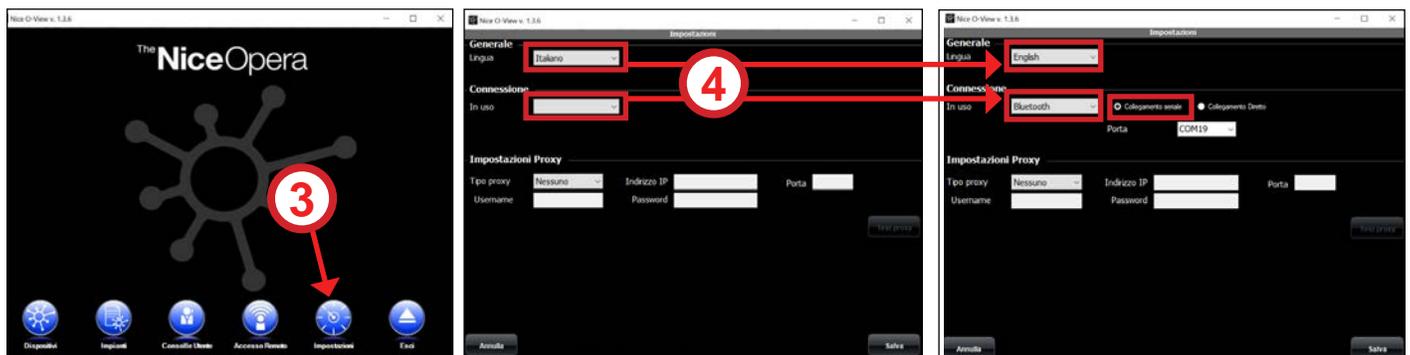
Requirements for Update:

- BCU1 Controller Board
- Power Supply (for BCU1 Controller Board)
- Oview Hardware Programmer
  (with OVBT Bluetooth Module & RJ11 cable)
- IBT4N Adaptor
- Opera Software Suite
- Bluetooth enabled PC
- Firmware Update Hex file (see step 2)

Download Opera Software Suite (and update file) from: https://support.hysecurity.com/hc/en-us/articles/4972960319767-Opera-Oview-Software-Suite

Download latest BCU1 firmware (HEX file) from: https://support.hysecurity.com/hc/en-us/articles/1500000069461-BCU1-Controller-Firmware-Release-he03e

Opera Software Installation:

1. Download, extract to appropriate folder, and then double click on '**NiceOViewDesktop.exe**".

2. Run installer (may require skipping security questions). When the Opera user interface appears, the language will be in Italian.

3. To change language and choose Bluetooth option, select **Impostazioni**.

4. Make the following changes:
   - Change **Lingua** to **English.**
   - Change **Connessione** to **Bluetooth** and check box for **Collegamento Seriale.**
   - Click **Salva** to return to the interface, which should now be in English.

5. Exit Opera.
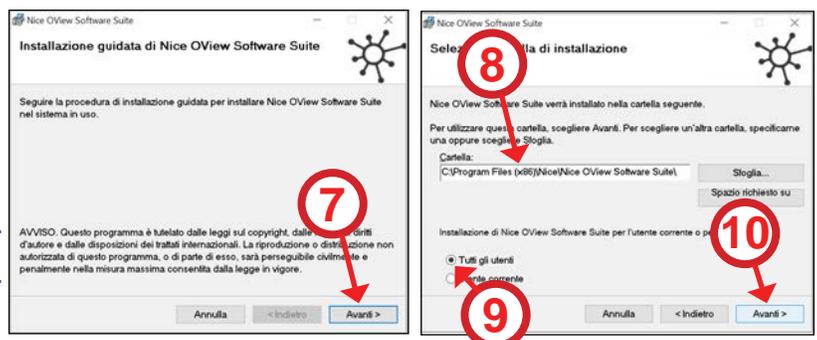
Updating Opera Software:

6. Download update, extract to appropriate folder, and then double click on **setup_it OView 1.6.3.msi**.

7. Click **Avanti** to continue.

8. Confirm or browse to software location.

9. Select first radio button (Tutti gli utenti).

10. Click **Avanti** until update finished.

BCU1 Firmware Update Procedure:

11. Turn on PC and enable Bluetooth reception.

12. The most recent *.hex file should be downloaded from https://support.hysecurity.com/hc/en-us/articles/1500000069461-BCU1-Controller-Firmware-Release-he03e and saved locally to your PC.

13. Connect the IBT4N connector adaptor to the control board (Fig-1).

14. Using the supplied RJ11 cable, connect the Oview programmer to IBT4N connector on the BCU1 control board (Fig-1). This will power up the Oview unit when power is applied to the BCU1 controller board.

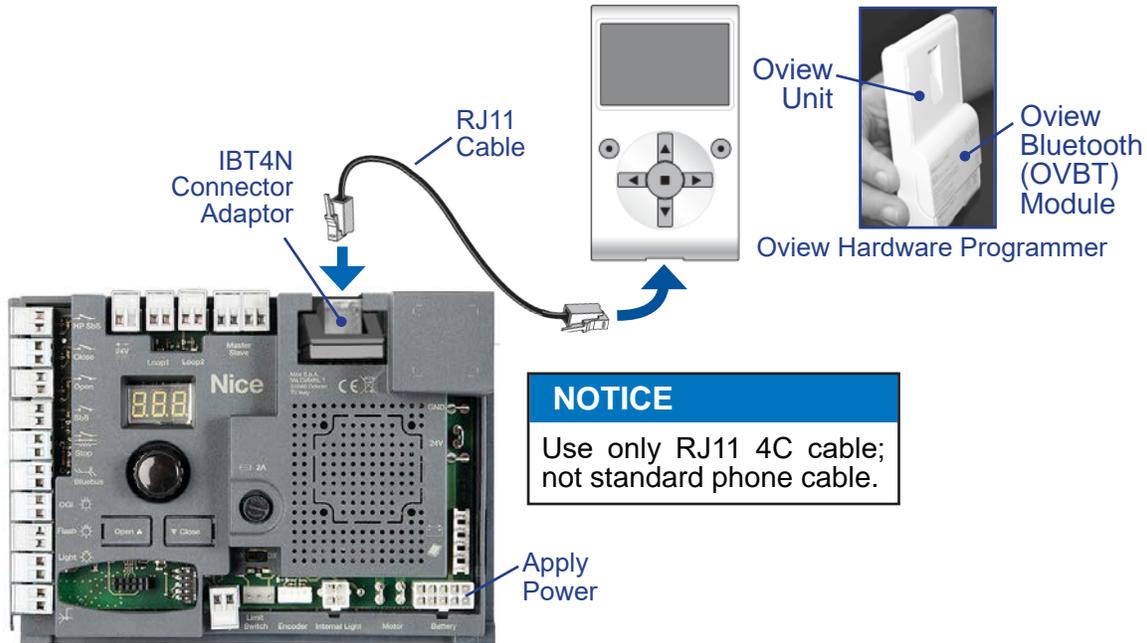15. Connect an appropriate power source to the BCU1 controller board.

NOTICE

Use only RJ11 4C cable; not standard phone cable.

Fig-1: BCU1 Controller Update Setup

16. After the Oview programmer powers up, check PC Bluetooth status to ensure a connection between Oview and PC. After the first Bluetooth connection, the PC should thereafter automatically connect to the Oview programmer.

17. If not already done, download, install, set, and update the Opera Software Suite per Steps 1 through 10.

18. Launch the Opera software and select the "**Devices**" icon in Opera interface to display Device List Window.
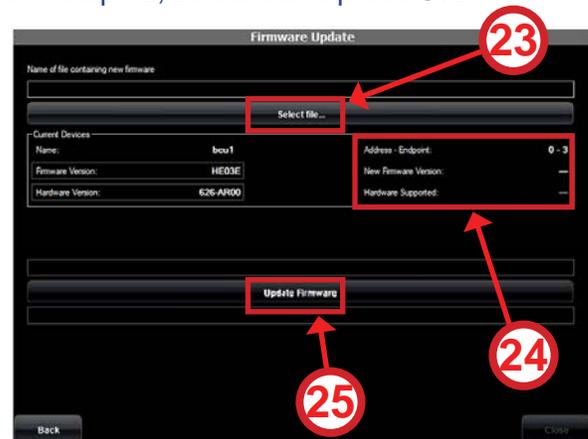

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19. Click the icon for the operator you're planning to connect to and the controller password login is displayed.

20. Enter password and press "**Login**" to log into the control board (default password is "1234").

21. Select "**Advanced Functions**" to enter functions menu.

22. Select "**Firmware Update**" in menu to display Firmware Update window.

23. Press "**Select File**" and navigate to hex file downloaded in Step 12, select it and press **OK.**

24. In this field, verify that the firmware version is correct and is compatible (green text).

25. Press "**Update Firmware**" to begin the update process, which takes about 15 minutes.

26. When update is complete, "**Update Completed Successfully!**" is displayed in the Firmware Update window.

NOTICE
If update fails, it may take repeated attempts until success.

Contact Information:

Visit https://support.hysecurity.com/hc/en-us for installation manuals, replacement part instructions, part diagrams and more. Qualified Nice distributors are experienced and trained to assist in resolving installation problems.

For the name of a qualified distributor near you, call Nice at 800-321-9947. *Before contacting your distributor or Nice Technical Support, obtain the serial number of your operator.