

PROCEDURE FOR UPDATING AND SETTING PARAMETERS FOR THE ZCS AZZURRO 250- 350KTL-HV Z0 INVERTER



MATERIALS REQUIRED

- ZCS AZZURRO 250KTL-HV Z0 / 330KTL-HV Z0 / 350KTL-HV Z0 inverter
- Mobile phone with the Azzurro Operator app installed
- USB stick with at least 8Gb capacity

INVERTER UPDATE PROCEDURE

1. Ensure that the inverter is powered by the photovoltaic array via the DC connections and that the input voltage is sufficient to allow the device to start up.
2. Access the ZCS Azzurro documentation portal [at https://www.zcsazzurro.com/it/documentazione/inverter-trifase-350-kw](https://www.zcsazzurro.com/it/documentazione/inverter-trifase-350-kw) and download the **firmware package** for your inverter model from
3. Unzip the folder and copy it onto the USB stick, ensuring that the folder is named **'firmware'** (Figure1)

Nome	Ultima modifica	Tipo	Dimensione
firmware	07/08/2026 13:57	Cartella di file	

Figure 1

4. Unscrew the protective cap from the USB port and insert the USB stick (Figure2)



Figure 2

5. Set the red isolator switch on the left-hand side of the inverter to the **ON** position (Figure3)



Figure 3

6. Wait for the green and red LEDs on the inverter to light up (Figure4).



Figure 4

Firmware update

7. Update the inverter using the following procedure:

- Enable Bluetooth on your smartphone
- Open the **Azzurro Operator** app.
- Go to the **Device Configuration** menu.
- Press '**Click to scan**'.

Technical Note "ZCS AZZURRO 250-350KTL-HV Z0 Inverter Update Procedure" – Rev. 1.0 dated 07/08/2026

- Select the inverter's serial number.
 - Go to the **Dashboard**.
 - From the **Configuration** section (found under Settings), set:
 - **Bluetooth Protocol Type = G4** (Figure 5)
 - **USB Protocol Type = G4** (Figure 5)
 - Confirm each change using the **Change** button.
 - In the '**Upgrade from USB**' section, press '**Upgrade**' (Figure 6).
 - Wait for the file transfer and firmware update to complete. (Figure 7)
- Note:** during this phase, the inverter's green LED flashes.

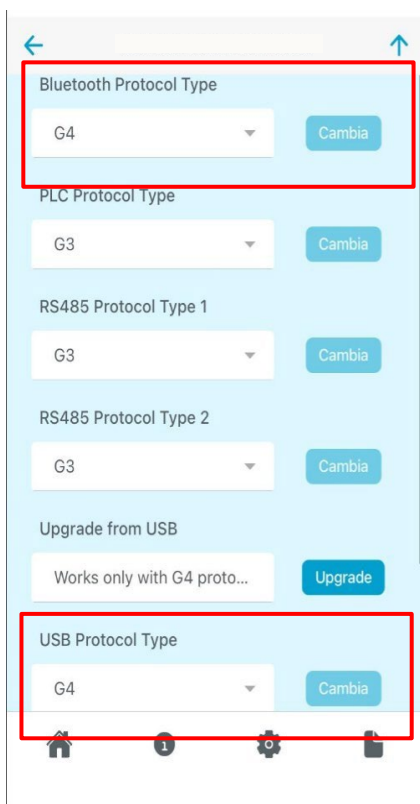


Figure 5

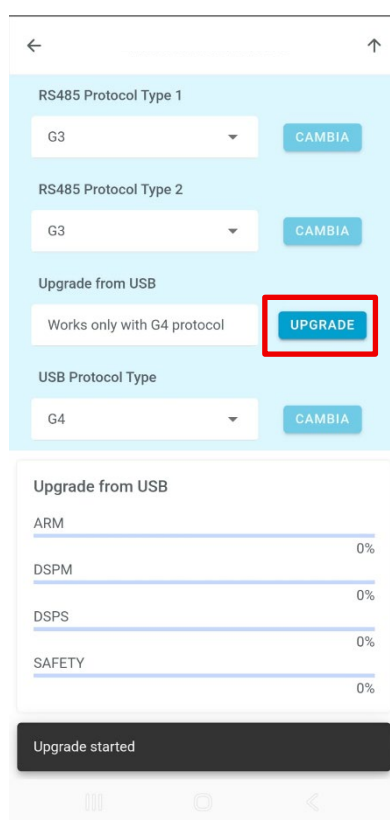


Figure 6

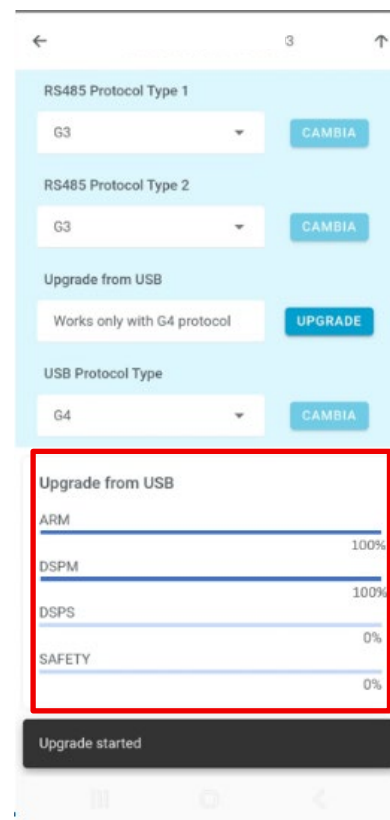


Figure 7

8. Once the update is complete, the page will close automatically and you will be taken back to the application's home screen. Check that the inverter's LEDs have returned to a steady state.
9. Return to the **"Inverter Connection"** menu, click on **"Click to scan"**, select the inverter's serial number and press **"Dashboard"**. In the **Configuration** section, set all protocol fields back to **G3**, confirming each change using the **"Change"** button (Figure 8).

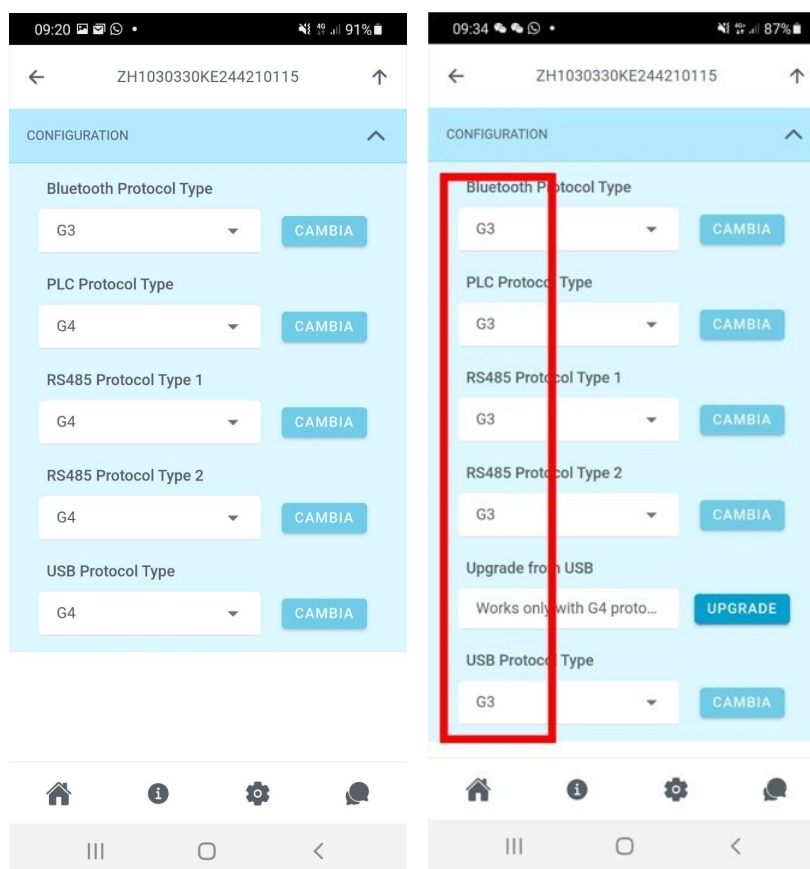


Figure 8

10. Check for updates:

- Click on the '**Info**' menu at the bottom of the screen.
- Open the drop-down menu labelled "**VERSION INFORMATION**" and "**BASIC**"
- Check that the 3 '**Software Version**' entries match the firmware version loaded onto the USB stick, as shown in the image below (Figure 9).
- Check that the country is set to Italy → CEI 0-16 Italy (Figure 10)



Figure 9



Figure 10