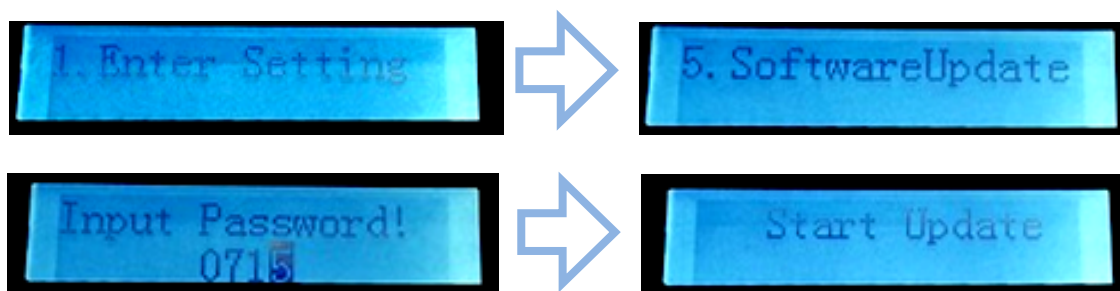


## PROCEDURE FOR FIRMWARE UPGRADE ON INVERTER AZZURRO ZCS 80-110K TL

1. Download the files from the web address  
<https://www.zcsazzurro.com/en/products/azzurro-inverter-di-stringa-trifase-80-100-110kw-lv#about-section>  
Extract the firmware folder from the file .zip and copy it into an empty USB pen drive.
2. Before starting the inverter, open the plug relating to the USB / WIFI slot dedicated to USB on the underside of the inverter.
3. Insert the USB pen drive into the slot.



4. Supply only DC voltage to the inverter through the appropriate PV breakers and wait few seconds for the display light.
5. Using the buttons on the side of the LCD display, enter the main menu by pressing and holding the DOWN ARROW key (2 seconds), scroll down with a short pressure of the DOWN ARROW key (1 second) and access the menu 5. Software Update by pressing the DOWN ARROW key with a long press. Enter the password 0715 using the DOWN ARROW key (short press to change the numerical value and long press to move to the next digit); finally confirm to start the update.



6. The update process will take about 3 minutes in complete autonomy. In this period, the display will show the percentage of progress of the DSP1, DSP2 and ARM update.



7. Check the inverter completes the update correctly and that the message INITIALIZATION .. appears on the display; then the inverter will start normally. If the update was not successful, one of the following messages will appear on the display: "COMMUNICATE FAIL", "UPDATE DSP1 FAIL", "UPDATE DSP2 FAIL"; in this case, turn off the inverter, wait a minute and restart from step 3 of the procedure.
8. Turn off the inverter using the appropriate breakers on the DC line and restart it by supplying DC voltage.
9. The update procedure is now completed and it is possible to connect the inverter to the grid; at the end of the countdown, the inverter will start to produce showing the current power value on the LCD display.