



Fronius Firmware Update Configuration

Introduction

This document outlines the procedure to configure the Voltage Dependent Power Reduction, Soft Start, the Power Change Gradient and the Frequency Dependent Power Reduction for Fronius Primo inverters when used in a Selectronic Managed AC coupled system.

Compatibility

It is most likely that Fronius Primo inverters with serial numbers greater than **27403860** are affected.

IMPORTANT:

- 1. To access the Profile Settings on the Fronius Primo, you must contact Fronius for an access code.**
- 2. If Country Code settings are changed, make sure to check "Check and Change Fronius Primo Settings" section (see page 2).**

ADDITIONAL INFORMATION

Selectronic web site – <http://www.selectronic.com.au> or contact the Selectronic Sales Team.

Overview of Steps

1. Contact Fronius for the Profile Settings access code
2. Check and change settings in Fronius Primo inverter. (Page 2 – 9)

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Technical Note



Check and Change Fronius Primo Settings

The following settings must be configured for all Fronius Primo inverters to achieve correct operation. It is necessary to check and change the AC Voltage Derating or the Power Change Gradient if **ON**, AC Frequency Derating (ON for Country Code AU and Off for Country Code MG50) and Softstart if **ON**.

Note: To access the Profile Settings on the Fronius Primo, you must contact Fronius for an access code in order to proceed to the sections below.

For all systems see to the following: pages 3-9

Summary – 1. Turn Off AC Voltage Derating

2. Check AC Frequency Derating

- Turn **ON** for (Grid Connect) **Country Code – AU**

- Turn **OFF** for (Off Grid) **Country Code – MG50**

4. Turn Off Softstart

5. Go to Power Change Gradient

6. Turn Off UP Ramp

7. Turn Off Down Ramp

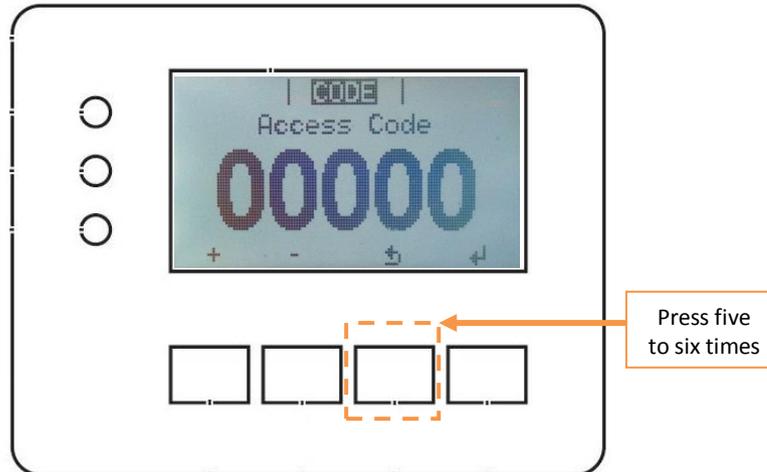


May not be available for
Country Code MG50
ONLY

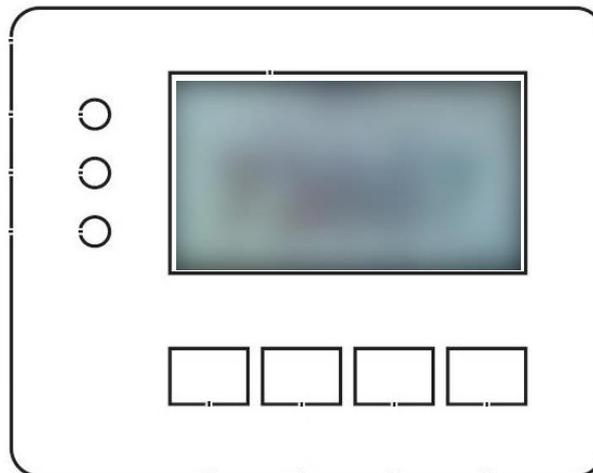


AC Voltage Derating Check

1. From the main menu press the third button from the left five to six times until "00000" is displayed on the screen.



2. Enter the "Access Code" provided by Fronius and press **ENTER** (↵). The "Access Code" will flash after the first **ENTER** (↵) key press, a second **ENTER** (↵) is required to proceed to the next step

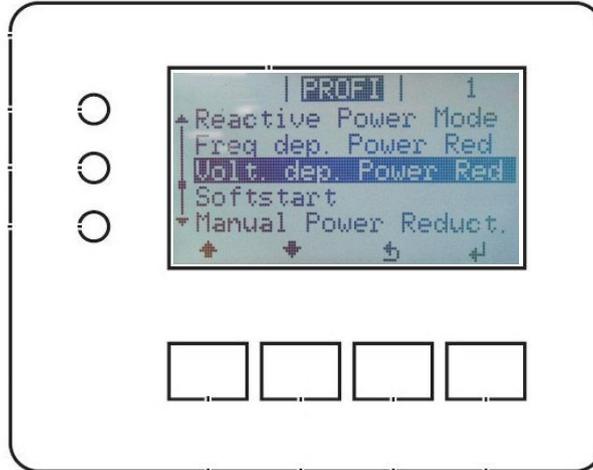


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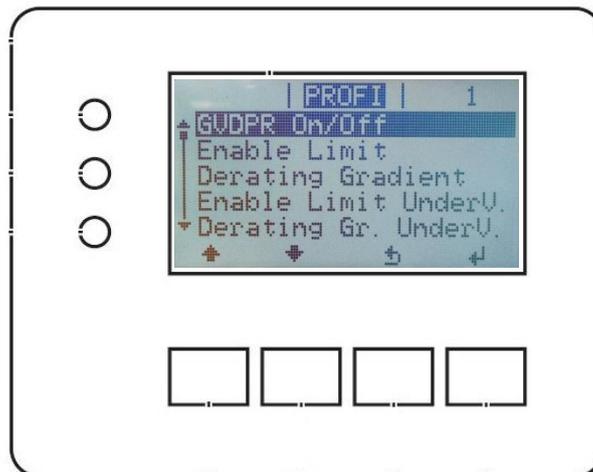
Technical Note



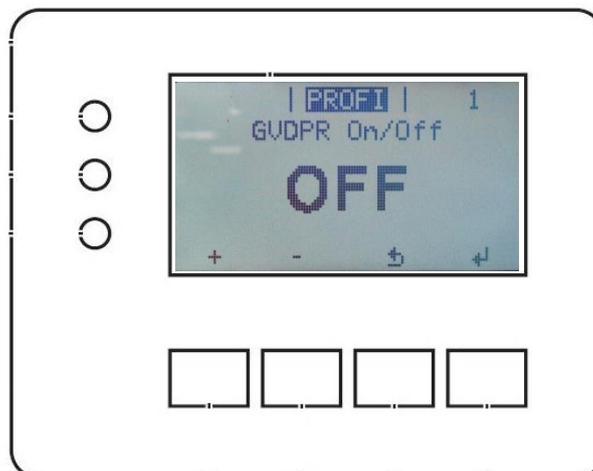
3. Scroll to **Volt. Dep. Power Red** (↓) and press the **ENTER** (↵) key.



4. Scroll to **GVDPR On/Off** (↓) and press the **ENTER** (↵) key.



5. Set to **"OFF"** (+) and press the **ENTER** (↵) key.



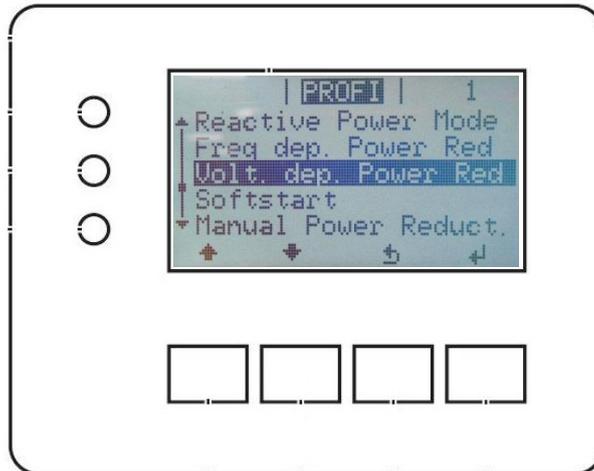
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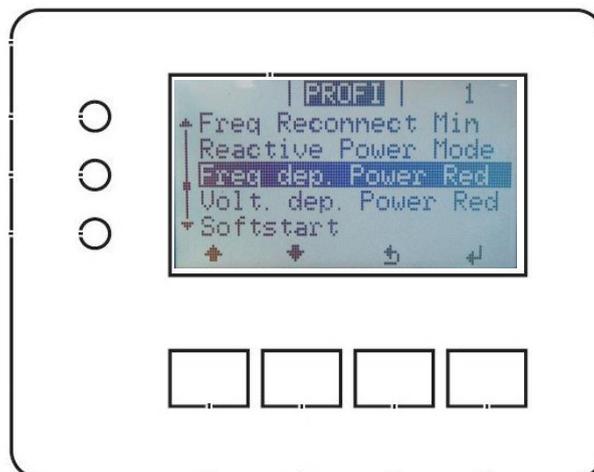


AC Frequency Derating Check (MUST be OFF for MG50 ONLY)

6. Press the **ESC** (↵) key **once** to return to the **PROFI** menu.



7. Scroll to **Freq. Dep. Power Red** (↓) and press the **ENTER** (↵) key.

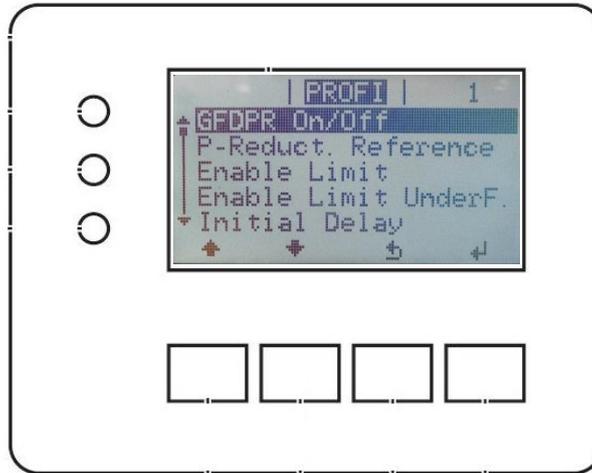


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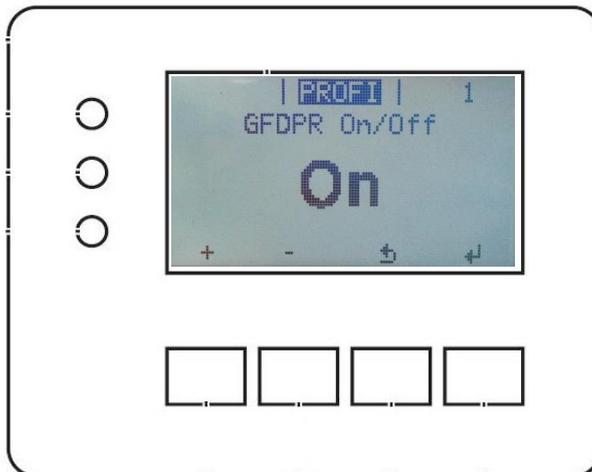
Technical Note



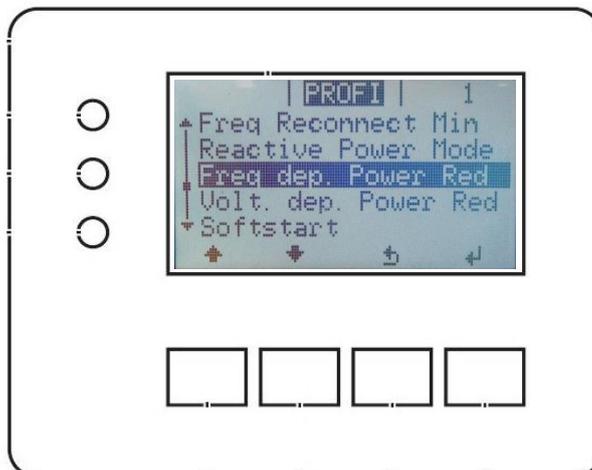
8. Scroll to **GFDPR On/Off** (↓) and press the **ENTER** (↵) key.



9. Set to **"ON"** (+) and press the **ENTER** (↵) key.
Note: MUST be set to **OFF** for **Country Code MG50 ONLY**



10. Press the **ESC** (↶) key **once** to return to the **PROFI** menu.



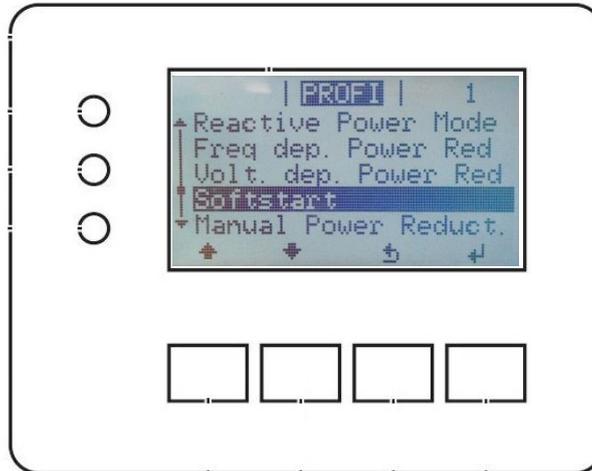
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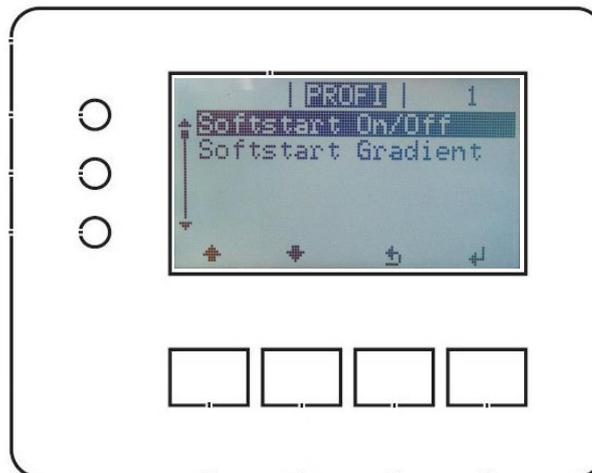


SoftStart Check

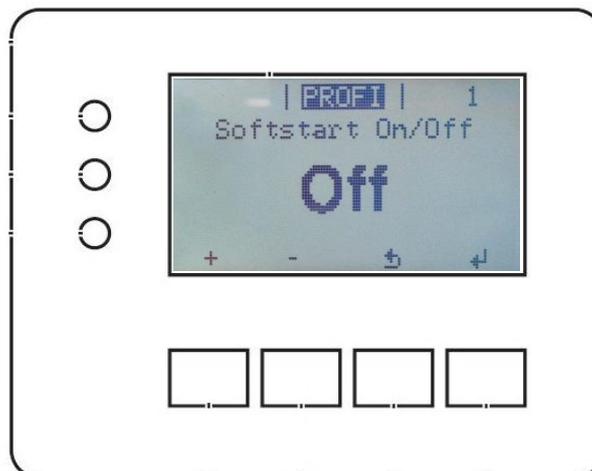
11. Scroll to **Softstart** (↓) and press the **ENTER** (↵) key.



12. Scroll to **Softstart On/Off** (↓) and press the **ENTER** (↵) key.



13. Set to **"OFF"** (+) and press the **ENTER** (↵) key.



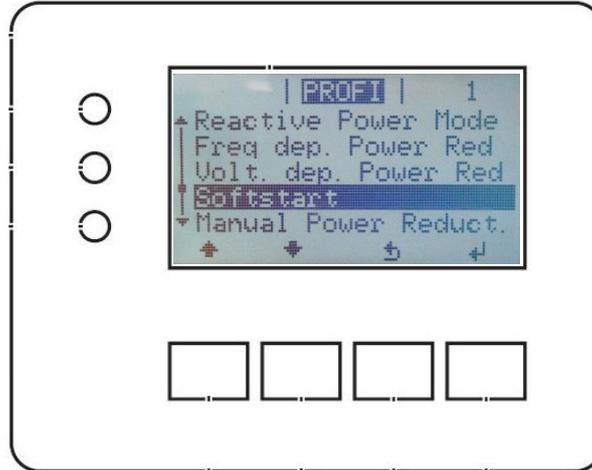
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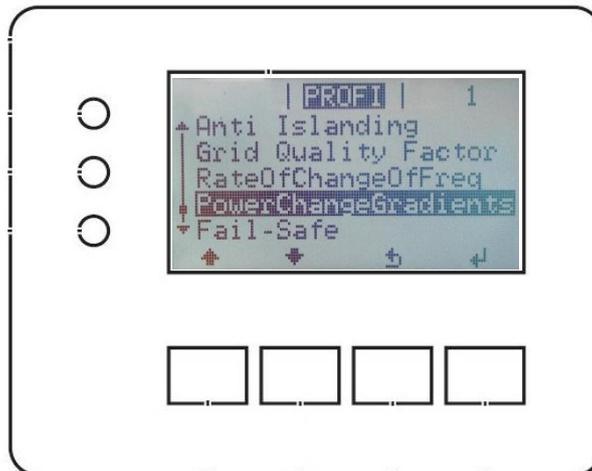


Power Change Gradient Check (May not be available for MG50)

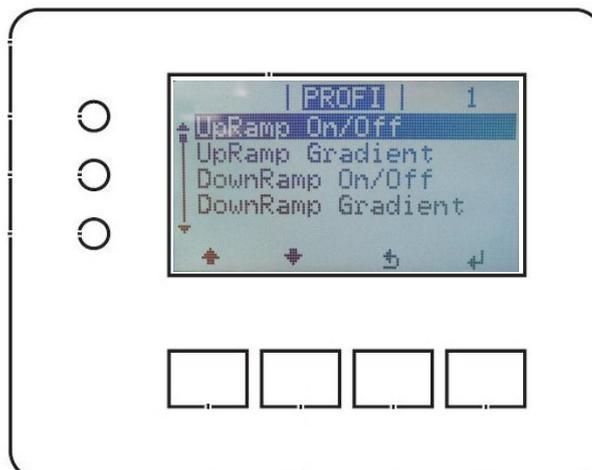
14. Press the **ESC** (→) key **once** to return to the **PROFI** menu.



15. Scroll to **PowerChangeGradients** (↓) and press the **ENTER** (↵) key.



16. Scroll to **UpRamp On/Off** (↓) and press the **ENTER** (↵) key.

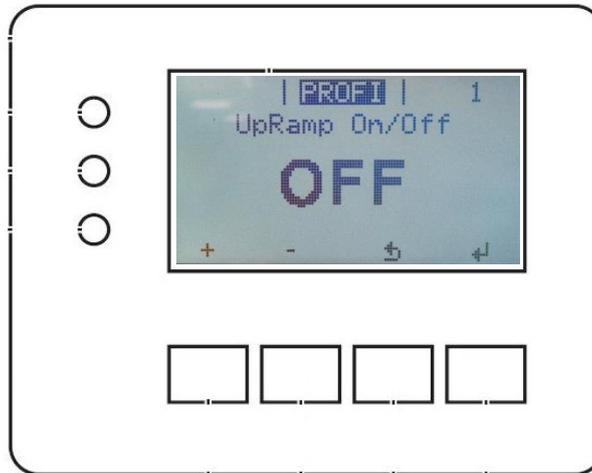


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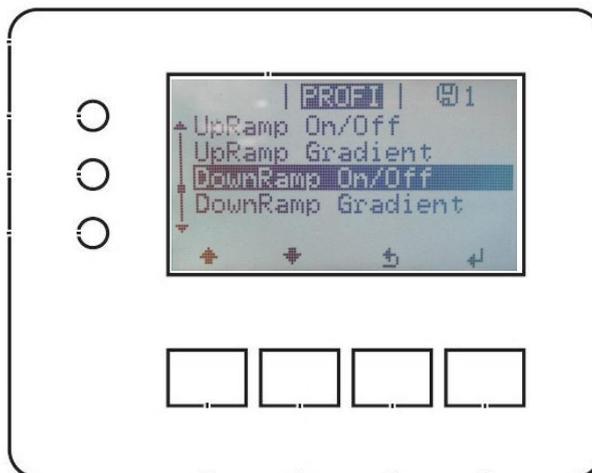
Technical Note



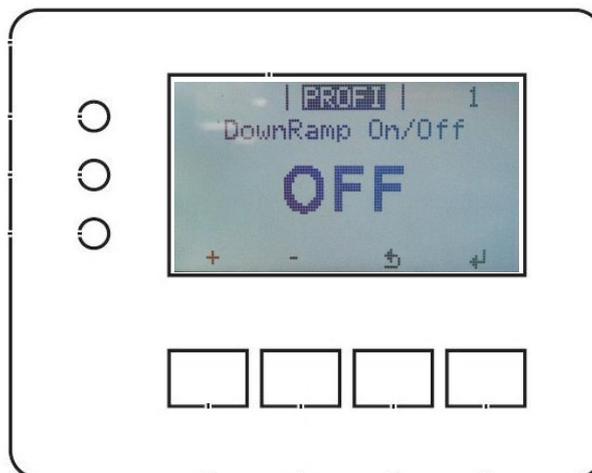
17. Set to "OFF" (+) and press the **ENTER** (↵) key.



18. Scroll to **DownRamp On/Off** (↓) and press the **ENTER** (↵) key.



19. Set to "OFF" (+) and press the **ENTER** (↵) key.



20. Press the **ESC** (↵) key **twice** to return to the main menu.

The configuration is now complete