

Conext TL – Changing Frequency Settings for Brazil

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Content

This application note is to be used to change the frequency settings on a Conext TL from 50Hz to 60Hz, for the Brazilian market only.

Frequency range values are not provided in this application note, it only provides the instructions on how to access the proper menu systems within the inverter, and change these settings. Actual frequency range settings must be in compliance with local grid requirements.

This application note should only be used in conjunction with the Installation and Operation guide and performed by qualified installers and service personnel.

▲ WARNING
<p>HAZARD OF ELECTRIC SHOCK AND FIRE</p> <p>Some settings available in the Install Settings menu and submenus are related to safety functions and must only be adjusted by authorized personnel aware of the impact of changing the settings, and only with the agreement of the local authority.</p> <p>Failure to follow these instructions can result in death or serious injury.</p>

Before you start: A technician password is required to change the frequency settings. Passwords will only be provided to qualified installers and service personnel. Please contact your sales representative to obtain this technician password.

Step 1: Remove the top cover of the packaging to access the bottom terminals and front display. The inverter does not need to be removed from the bottom packaging (pallet).

Step 2: Provide power to the inverter. Either DC or AC. Only one is required. Do not apply both AC and DC power, as this will cause the inverter to operate and produce power.

- DC input voltage should be > 200Vdc
- AC voltage should be 230Vac
- Keep DC switch off before connecting to the inverter.
- If using AC plug = L1 to Pin 1, L2 to Pin 2, L3 to Pin 3, Neutral to Pin 4, Ground/PE to Pin 5.
- Be aware that incorrect wiring of PE (ex. if PE and L1 were reversed) will cause electric shock or damage computer and/or inverter.

Step 3: Once inverter is powered, the initial start up menu is shown. Upon starting of the unit, select the country closest to grid connection settings in Brazil. Press “OK” to Select the Country. Press “OK” again to confirm your selection. Note - by selecting the county closest to Brazil’s grid connection settings, when the unit is switched to a “Custom” country (Step 7 & 8), all of the country settings from the original country selection are maintained.

Step 4: Select the desired language. Press “OK” to confirm your selection.

First Startup



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Step 5: From the main menu, select, “**Settings**”, then press **OK**. Select **Install Settings**, then press **OK**.

Step 6: Using the up and down arrows, set each of the four digits in the password. Press **OK** after each digit is entered, and then press **OK**.

Step 7: Select “**Country**”, Press “**OK**”

Step 8: Select “**Custom**”, Press “**OK**”

Step 9: Select “**Grid Settings**” menu, and Press “**OK**”

Step 10: The following frequency variables can then be set in this menu. To access these frequency settings, press Down arrow until you reach screen 3/4.

- Fac High Off
- Fac High On
- Fac High Off T (disconnect time)
- Fac Low Off
- Fac Low On
- Fac Low Off T (disconnect time)

Step 11: Select the variable to be changed, Press “**OK**” and the variable will be highlighted. Using the up and down arrows, change the required frequency settings. Press “**OK**” to confirm the setting. If you make an error when changing the variable, press **ESC** to cancel.

Step 12: Once all of the desired frequency settings have been selected/edited, press “**ESC**” button till you return to the main menu. All changed frequency settings will be saved.

Step 13: Process completed. Turn off all power to unit and disconnect.

Step 14: If required, repackage the inverter.