CONGRATULATIONS
ON THE PURCHASE OF YOUR NEW FRONTIER® WELDER/GENERATOR

To get you familiarized with the machine, this Quick Start Guide provides a brief overview of the user interface controls and key screens to make the most out of your purchase.

For best welding results with Lincoln Electric equipment, always use Lincoln Electric consumables.
Visit www.lincolnelectric.com for more details.

Manufactured at a facility with certified ISO Quality and Environmental Management Systems.

FRONTIER®
QUICK START GUIDE

LINCOLN ELECTRIC

Machine Start-Up

To start the Frontier welder/generator:

1. Place the RUN / STOP / IDLE switch into the AUTO IDLE or HIGH IDLE position

2. Allow approximately 20 seconds for user interface to start

3. Hold GLOW PLUG BUTTON for approximately 10 seconds prior to engine starting in cold weather

4. Momentarily press START BUTTON then wait for the engine to turn over

User Interface Controls

1. USB Port – Insert a USB drive to update machine software

2. Remote Button – Enable/Disable remote control

3. Home Button – Returns to the home screen from any menu

4. Memories – Recall saved memories or press and hold to store new memories

5. Knob and Push Button – Rotate the knob to navigate through menus and adjust values. Push the knob to select or set values.

6. Help / Ready.Set.Weld.® – Press to get more information about a highlighted feature or setting. After selecting a welding process, press to enter Ready.Set.Weld®.

7. Back – Return to the previous screen

Main Menu / Home Screen
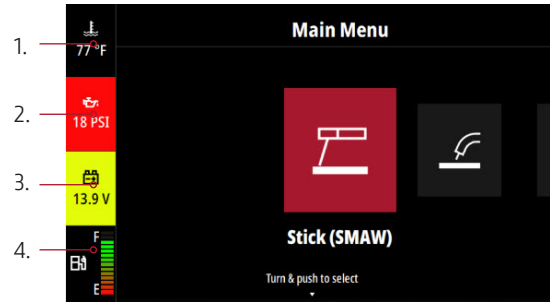
The left hand side of the screen indicates the following machine information:
1. Engine Coolant Temperature
2. Oil Pressure
3. Battery Voltage
4. Fuel Level (Blinks when Low)

Color Codes

Black – Normal Operation

Yellow – Warning

Red – Critical

After start-up, use the KNOB to select from the following weld processes or machine settings:

1. Stick (SMAW)

2. Self-Shielded Wire (FCAW-S)

3. Gas Shielded Wire (FCAW-G)

4. MIG (GMAW)

5. Arc Gouging (CAC-A)

6. TIG (GTAW)

7. Pipe (SMAW)**

8. Engine Information – Provides engine hours, engine speed, maintenance intervals, and service parts list

9. Productivity Metrics – Includes machine utilization statistics

10. Machine Settings – Allows customization to operator preferences

**Only Available on select Frontier models

Weld Screen
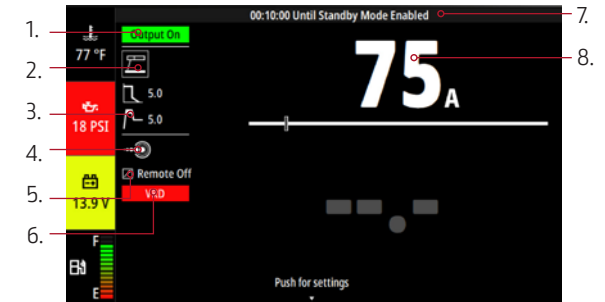
1. Output Status – Identifies if the welding studs are ON or OFF

2. Welding Mode – Indicates the current welding mode of the machine

3. Weld Mode Settings – Specifies the weld mode setting selected such as Arc Force and Hot Start. Press the KNOB to access the mode settings

4. CrossLinc® Indictor – Shows the machine is actively communicating with a CrossLinc accessory

5. Remote Status – Indicates if a remote output control is ON or OFF

6. VRD (Voltage Reduction Device) Indicator – When VRD is active, indicator signals OCV (Open Circuit Voltage) level of the machine

7. Auto-Stop/Start Timer – Appears if Auto-Stop/Start feature has been enabled

8. Work Point - Indicates the output where the machine has been set

To learn more about the increased functionality of your Frontier welder/generator, see the instruction manual supplied with this machine.

Detailed operation includes saving and recalling memories, receiving maintenance remainders, preventing unauthorized use via a PINs, and much more.