# User Manual



VOLTAGE — 230 V
CURRENT — 17.4 A
POWER — 4.0 kVA
RPM — 2800 RPM
SERVICE INTERVAL — 80:30 H:MM
RUNNING HOURS — 160:30 H:MM
STATUS — Standby
STARTER BAT

START   STOP

**Piccolo**
# Touch Display

Whisper Power Remote Control Panel 5 inch

**whisperpower.com**

## Revision History

| Revision | Description |
|----------|-------------|
| 1.0 | Original document |
| | |
| | |

# Table of contents

# 1.    Introduction

Congratulations on your purchase of the WhisperPower Piccolo WP50ARM
Touch Display, displaying Generator information. WhisperPower has designed
and built your WP50ARM Touch Display to the highest standards for years of
dependable and accurate service.
WhisperPower Piccolo WP50ARM Touch Display displays Generator data. Please
read this manual carefully and follow these instructions for installation, configu-
ration, and usage of the WhisperPower Piccolo WP50ARM in order to ensure
optimal performance.

## 1.1.    Firmware Revision

This manual corresponds to WP50ARM PICCOLO firmware revision 1.2.

## 1.2.    WP50ARM Features

The WhisperPower Piccolo WP50ARM has the following features:

- Displays Generator information
- Operate Generator (Start/Stop) by user
- Setting of Display parameters by user

## 1.3.    Quick Install

Installing the WhisperPower Piccolo WP50ARM Touch Display involves the fol-
lowing steps.
Please refer to the individual sections for additional details.

1. Unpack the Box (Section 2.1)
2. Mount the WP50ARM (Section 2.2)
3. Connect the WP50ARM (Section 2.3)
4. Checking connections (Section 2.4)

## 2.    Installation

### 2.1.    Unpacking the Box

When unpacking the box containing the WhisperPower Piccolo WP50ARM Touch Display,
you should find the following items:

1 – WP50ARM WhisperPower Touch Display
1 – WP50ARM User's Manual
1 – RJ45 Cable

If any of these items are missing or damaged, please contact WhisperPower.

### 2.2.    Mounting the WhisperPower Piccolo WP50ARM Touch Display

Attach the WP50ARM securely to the vessel.

### 2.3.    Connecting the WhisperPower Piccolo WP50ARM Touch Display

The WhisperPower Piccolo WP50ARM Touch Displays provide a WhisperConnect connection for the generator; these connection can be found on the back of the device. The device is powered by an external power source ranging from 6-42V DC.
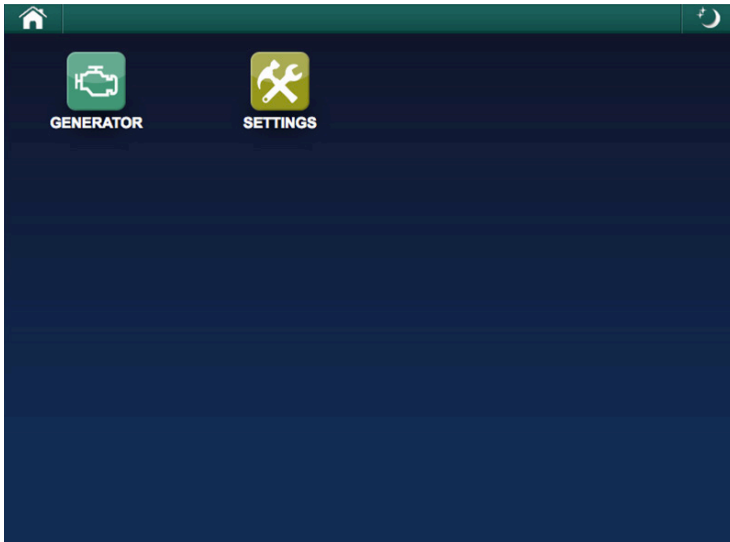
### 2.4.    Checking Connections

Once the connection to the generator  have been completed, power can be supplied to the WhisperPower Piccolo WP50ARM Touch Display. Check to see that information is being properly transmitted by observing the GENERATOR screen. Refer to Section 4, "Troubleshooting", if no information appears.

# 3.   Configuring the WhisperPower Piccolo WP50ARM Touch Display

As shipped from the factory, the WhisperPower Piccolo WP50ARM Touch Displays don't require any special configuration and will work for most applications. Configurations with more than one WhisperPower WP50ARM display is possible, for these special configurations please contact WhisperPower.
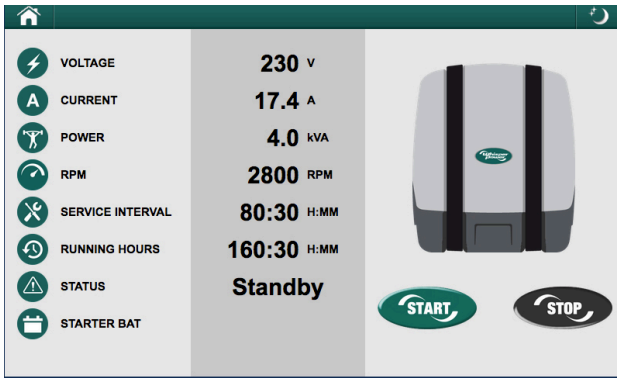
## 3.1.   Main screen

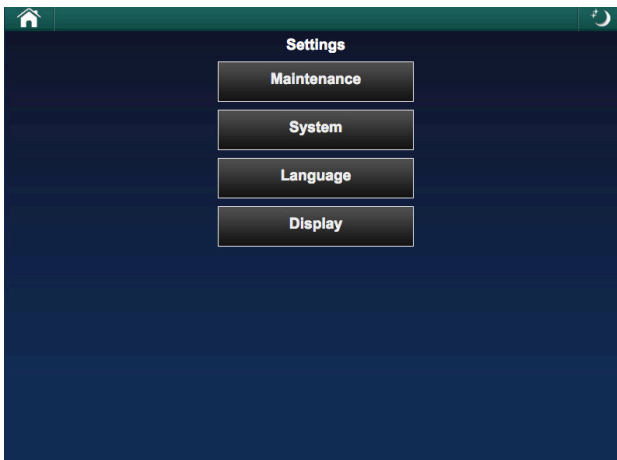On the Main screen buttons are provided to enter the Generator and Settings screens.

### 3.1.1. GENERATOR screen

On the Generator screen the generator status is shown. The generator can be turned on and off. The output voltage, current, power and RPM is shown together with the historical and maintenance runtimes. Further the starter battery voltage is shown.
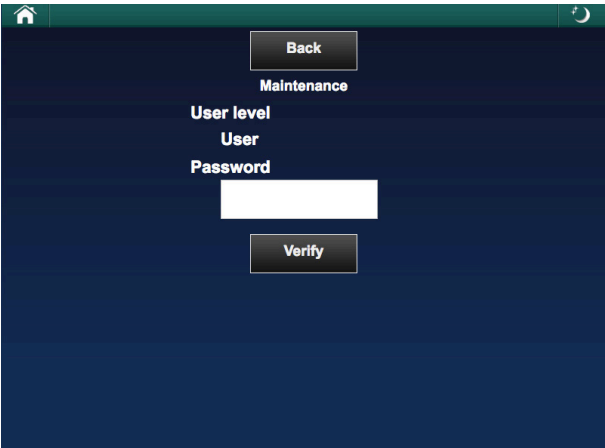


### 3.1.2. SETTINGS screen

On the Settings screen buttons are shown to access the Maintenance, System, Language and Display screens.
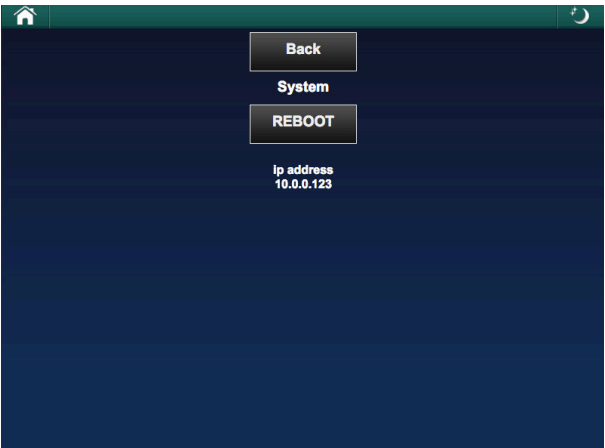
## 3.2.  Maintenance screen

On the Maintenance screen the User Level of the WP50ARM can be set from User to Expert and Installer. These User Levels are protected by password to ensure proper setting of the WP50ARM installation.
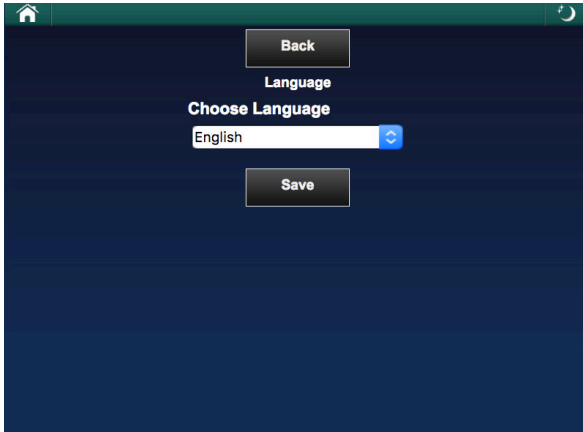


## 3.3.  System screen

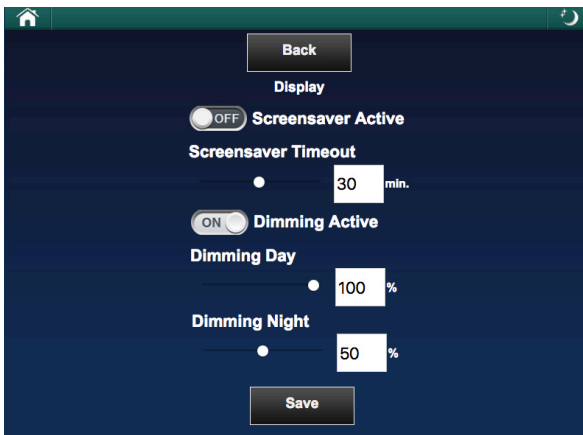On the system screen a button is provided to reboot the WhisperPower Piccolo WP50ARM Touch Display.

## 3.4.  Language screen

On the language screen a dropdown (English/German/Dutch) is provided to set the WhisperPower Piccolo WP50ARM Touch Display language.



## 3.5.  Display screen

On the Display screen settings are provided for the screensaver and the dim-ming of the screen.  The screensaver can be turned on and off and a screensaver timeout can be set. The dimming  can be set on and off and a dimming level can be set for day and night conditions.
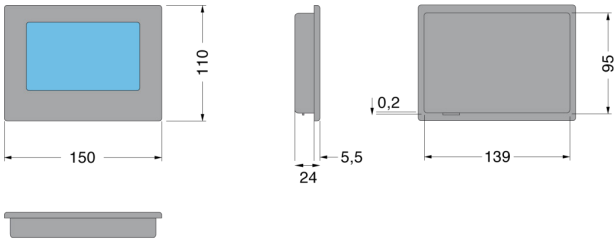
# 4.    Troubleshooting

| Symptom | Troubleshooting Procedure |
|---|---|
| Screen doesn't turn on | Check the connections to the WhisperPower Piccolo WP50ARM Touch Display. Ensure that power is supplied to the 6-42V DC connection. |
| No Generator data | Check the WhisperConnect connection from the generator to the WhisperPower Piccolo WP50ARM Touch Display. |

| Engine alarms | Inverter alarms | Inverter warnings |
|---|---|---|
| Oil Pressure<br>Oil Temp<br>Exhaust Temp<br>Start Fail<br>Inspect Engine<br>Over Speed | AC Short Circuit<br>AC Over Load<br>AC Under Voltage<br>Over Temperature<br>Communication<br>Parameters<br>Vdriver Low<br>Missing Phase<br>RPM Over Speed | Hi AC Current<br>Hi RPM<br>Low RPM |

Refer to the WhisperPower Piccolo manual for more information on alarms and warnings.

# 5.    Dimensions

## WP50ARM

# 6.   Technical Specifications

As WhisperPower is constantly improving its products, all specifications are subject to change without notice

**Electrical**

| Parameter | Value | Comment |
|---|---|---|
| Operating Voltage | 6 to 42 Volts | |
| Power Consumption | 100 to 240 mA | |

**Mechanical**

| Parameter | Value | Comment |
|---|---|---|
| Size | 150 mm x 110 mm x 24 mm) | Outer dimensions |

**Environmental**

| Parameter | Value |
|---|---|
| Operating Temperature | -25°C to 55°C |

# 7.   Appendix

Wrong operation of the WhisperPower Piccolo WP50ARM Touch Display may lead to hazardous situations.

# 8.   Technical Support

If you require technical support for WhisperPower products, you can reach us in any of the following ways:

Telephone: +31 (0) 512 571 550
E-mail: sales@whisperpower.com

Enjoy Green Energy

CE