iggual IGG319086

iggual VFD 7-inch POS Display User Manual

MODEL: IGG319086

1. Introduction

This manual provides comprehensive instructions for the iggual VFD 7-inch POS Display, Model IGG319086. This device is designed to enhance transaction transparency for both customers and operators in Point of Sale (POS) environments. Please read this manual thoroughly before operating the device to ensure proper setup and functionality.

Figure 1: iggual VFD 7-inch POS Display. This image shows the front view of the VFD display unit mounted on its adjustable stand, displaying sample text.

2. Product Features and Specifications

The iggual VFD 7-inch POS Display offers robust features for reliable operation:

- **Display Type:** Vacuum Fluorescent Display (VFD)
- **Character Capacity:** 40 characters (20 columns x 2 lines)
- **Brightness:** 500 - 1,000 cd/m²
- **Character Type:** 95 Alphanumeric, 32 International Character font
- **Font:** 5x7 dot matrix
- **Character Size:** 9.02 (H) x 5.25 (W) mm

- **Connection Interface:** USB-A (built-in USB cable)
- **Cable Length:** 1.5 meters
- **Adjustable Height:** From 263 mm (min) to 395 mm (max)
- **Viewing Angle:** Maximum 128°
- **Horizontal Rotation:** Maximum 355°
- **Vertical Rotation:** 0° - 38°
- **Command Modes:** LD220, EP-POS D101, AEDEX, UTC/S, UTC/P, ADM788, DSP800, CD5220, EMAX, LOGIC CONTROL
- **Average Lifetime:** 30,000 hours
- **Power Consumption:** 5V to 24V (DC)
- **Item Weight:** 2.64 pounds (approximately 1.2 kg)

3. Setup and Installation

Follow these steps to set up your iggual VFD POS Display:

3.1 Unpacking

Carefully remove all components from the packaging. Ensure the display unit, stand, and USB cable are present.

3.2 Physical Assembly

1. Attach the display unit to the adjustable column.
2. Secure the adjustable column to the base.
3. Adjust the height of the display column to your preferred viewing level. The height can be adjusted from 263 mm to 395 mm.

DIMENSIONES / DIMENSIONS

200 mm

58,5 mm

395 mm
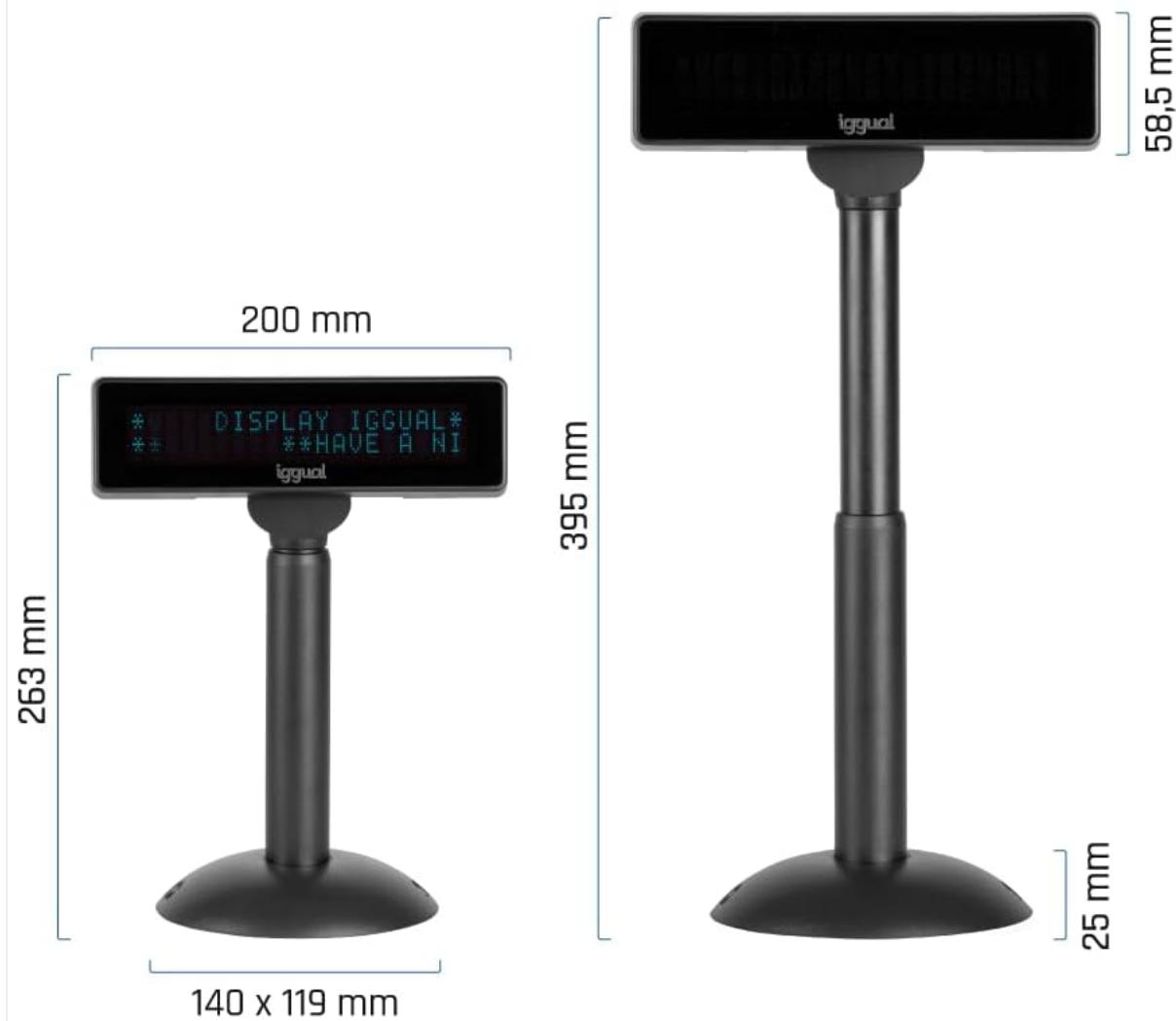
263 mm

25 mm

140 x 119 mm

Figure 2: Display Dimensions. This image illustrates the physical dimensions of the iggual VFD display, including its panel size, base size, and adjustable height range.

3.3 Connecting the Display

1. Locate the built-in USB-A cable extending from the display unit.
2. Connect the USB-A connector to an available USB port on your Point of Sale (POS) system or computer.
3. The display is powered via the USB connection.

Figure 3: Connection Interface. This image shows the USB-A connection interface and the 1.5-meter cable length for the iggual VFD display.

3.4 Driver Installation (if required)

In most modern operating systems, the display will be recognized automatically as a standard HID (Human Interface Device) or serial device. If your POS software or operating system requires specific drivers, please refer to your POS system's documentation or the iggual support website for driver downloads.

4. Operation

Once connected and recognized by your POS system, the iggual VFD display will begin to show information transmitted from your POS software.

4.1 Displaying Information

The display operates by receiving commands and data from your POS software. Ensure your POS application is configured to output data to the VFD display using one of the supported command modes (e.g., LD220, EP-POS D101, AEDEX, UTC/S, UTC/P, ADM788, DSP800, CD5220, EMAX, LOGIC CONTROL).

4.2 Adjusting Viewing Angle and Rotation

The display unit offers flexibility for optimal viewing:

- **Horizontal Rotation:** The display can be rotated horizontally up to 355° on its stand.
- **Vertical Rotation:** The display head can be tilted vertically from 0° to 38°.
- **Viewing Angle:** The VFD technology provides a wide viewing angle of up to 128°.

Figure 4: Adjustable Properties. This image illustrates the horizontal and vertical rotation capabilities, as well as the wide viewing angle of the VFD display.

Figure 5: Character and Brightness Specifications. This image highlights the display's character capacity (40 characters, 2 lines) and brightness range (500-1000 cd/m²).

5. Maintenance

Proper maintenance ensures the longevity and optimal performance of your VFD display.

- **Cleaning:** Use a soft, dry, lint-free cloth to clean the display surface. For stubborn smudges, slightly dampen the cloth with water or a mild, non-abrasive screen cleaner. Do not spray liquids directly onto the display.
- **Avoid Harsh Chemicals:** Do not use alcohol, ammonia-based cleaners, or abrasive materials, as these can damage the display surface.
- **Environmental Conditions:** Operate the display within recommended temperature and humidity ranges to prevent damage. Avoid exposing the unit to extreme temperatures or direct sunlight for extended periods.

6. Troubleshooting

If you encounter issues with your iggual VFD display, refer to the following troubleshooting steps:

- **Display is blank:**

  - Ensure the USB cable is securely connected to both the display and the POS system/computer.
  - Verify that the POS system/computer is powered on and functioning correctly.
  - Check if the POS software is configured to send data to the display.
  - Try connecting the display to a different USB port or another computer to rule out port issues.
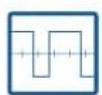
- **Incorrect characters or garbled text:**

  - Confirm that the correct command mode is selected in your POS software, matching one of the supported modes (LD220, EP-POS D101, etc.).
  - Ensure the baud rate settings in your POS software match the display's default or configured baud rate.
  - Check for any driver updates for the display or your POS system.

- **Display is dim or flickering:**

  - Ensure the display is receiving adequate power from the USB port. Try a powered USB hub if available.
  - Check for environmental factors like extreme temperatures.
  - If the issue persists, contact technical support.

PROPIEDADES / PROPERTIES

Velocidad de baudios
9.600 / 19.200 / 38.400 bps

Consumo
5V a 24V (DC)

Modo de comandos
LD220, EPSON POS D101, AEDEX, UTC/S, UTC/P, ADM788, DSP800, CD5220, EMAX, LOGIC CONTROL

Figure 6: Technical Specifications. This image details the supported baud rates (9.600 / 19.200 / 38.400 bps), power consumption (5V to 24V DC), and command modes for the display.

7. Warranty and Support

For warranty information, please refer to the warranty card included with your product or visit the official iggual website. If you require technical assistance or have questions not covered in this manual, please contact iggual customer support through their official channels.

Online Support: www.iggual.com/support