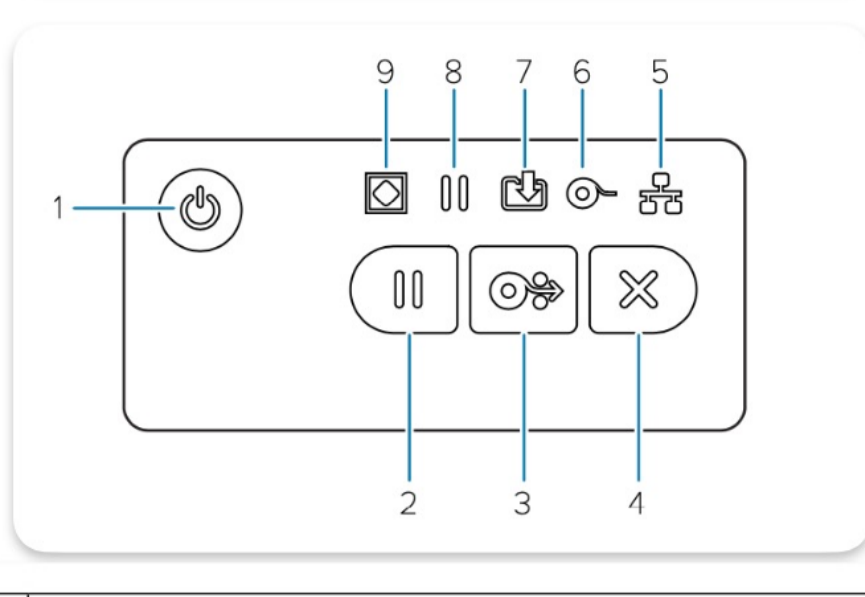


ZD411D Standard Interface Controls



1	Power button
2	Pause button
3	Feed (Advance) button
4	Cancel button
5	Network indicator
6	Supplies indicator
7	Data indicator

8	Pause indicator
9	Status indicator

Power Button – Turns power ON and OFF in the printer. It is also used to initiate low-power sleep and wake states.

- Initial Power ON – Press **Power** until the printer's indicator lights flash on. The indicator lights will flash on and off in various combinations while the printer does self-diagnostics, configuration checks, and integrate optional components which will take several seconds to complete. The **Status** indicator will turn solid green indicating the printer is ready for normal print operations.
- Energy Star (Low Power Mode) – Press and release **Power** to enter Energy Star low power mode. The printer will minimize power use. All the indicators will be off except the Status Indicator will slowly change between On and Off to indicate Energy Star Mode.
- Power OFF with Energy Star Delayed – Press and hold **Power** for 4-9 seconds. The operator can start batch print job and put the printer into the low power consumption state of Sleep mode – after the job has finished.
- Power OFF / Shutdown – Press and hold **Power** for 4-9 seconds. The printer turns OFF.
- Power Failure Recovery Mode – This printer feature is activated by a hardware jumper setting on one of the optional Printer Connectivity Modules installed in the printer. See [Setting the Power Failure Recovery Mode Jumper](#) on page 114.
- The printer will automatically Power ON when plugged into an active (ON) AC power source.
- Supports Sleep Mode and Power OFF with Sleep mode Delayed.
- A Power OFF/Shutdown resets the printer and then runs the Initial Power ON sequence.

NOTE: The Power Failure Recovery Mode is only available on printers with a Printer Connectivity Module installed in the printer.

Pause Button – Pauses print and media movement actions.

- Pressing **Pause** to stop print activities and place the printer into a pause state. The printer will complete printing a label that is printing before it pauses.
- The **Pause** indicator displays Amber (orange/yellow) to indicate the pause state.
- Pressing **Pause** while in the pause state to return the printer to normal operation. If printing a multi-label (form/format) job or another print job is waiting to print in the print queue, then the printer will resume printing.

Feed (Advance) Button – Advance a label (print form/format).

- Feed One Label – Press and release **Feed** when the printer is not printing to advance media one (1) blank form/format length (label, receipt, tag, ticket, etc.).
- Advance Multiple Labels – Press and hold **Feed** to advance labels until released. It finishes advancing to the beginning position of the next label.
- Reprint Last Label (activated via an SGD command: `ezpl.reprint_mode`) – The intended purpose of this feature is to allow reprint of a failed media print. If the printer runs out of media (paper, labels, transfer ribbon, etc.), then the printer can re-print the last label (print form/format). The print buffer that stores the print image available for reprint is cleared when the printer gets turned off or is reset.

Cancel Button – Cancels print jobs.

- Cancel** is only functional when the printer is in the Pause state.
- Press **Cancel** once to cancel printing the next format in the print buffer.
- Press and hold **Cancel** for two seconds to cancel the printing of ALL pending formats.

Status Indicator – Primary status indicator for overall printer health and operational status. This indicator is also known as the power indicator.

- Green: Ready for print and data activity.
- Green, Slowly Changing between ON and OFF: The printer is in Sleep Mode.
- Red: Media out, media detection error, head (cover/printhead) open, cut error, printhead authentication failure.
- Amber: Printhead Over Temp (temperature), printhead element failure, out of memory while storing content (formats, graphics, fonts, etc.), and interface power fault for USB Host or Serial ports.
- Blinking Amber: Printhead Under Temp (temperature).
- Blinking Red: Printhead Over Temp (temperature) – this status is coupled with a blinking red **Pause** indicator. Requires cooling and printer restart.

Pause Indicator – The printer is in pause mode when the **Pause** indicator light is on. A label (print form) or all labels (print forms) in the print buffer's queue can be canceled when the **Pause** indicator is on using the **Cancel** button.

- Amber: The printer is paused. Print, label feed (advance), and other label routines are suspended until the pause state is removed by pressing **Pause**.
- Blinking Red: Printhead Over Temp (temperature) – this status is coupled with a blinking red **Status** indicator. Requires cooling and printer restart.

Data Indicator – Indicates the status of data transfer activity.

- Off: Data is not being transferred.
- Green: A data communication operation has not finished but is not actively being transferred.
- Blinking Green: Data communications are in process.
- Blinking Amber: Out of memory while storing content (formats, graphics, fonts, etc.).

Supplies Indicator – Indicates media (label, receipt, tags, transfer ribbon, ribbon cartridge, etc.) status.

- Red: There is a media out condition.
- Blinking Red: Ribbon Out.

Network Indicator – Indicates network activity and status.

- Amber: 10 base Ethernet (LAN) connection detected.
- Green: 10/100 Ethernet (LAN) connection detected or when Wi-Fi (WLAN) has a strong signal and is connected.
- Red: when an Ethernet (LAN) or Wi-Fi (WLAN) fault occurs.
- Blinking Red: during Wi-Fi (WLAN) association.

All of the Link-OS Desktop printers have five common status indicators.

These five indicators help you identify issues. The individual indicators tell you the general area of interest. The indicators may be off or on in a variety of lighting patterns of red, green, or amber (orange/yellow). The status indicators can flash (blink), fade (bright to off), alternate between colors, or just remain on. The status information that these lighting patterns represent is detailed in this section.

Status - Typical Operating Conditions

Printer Ready



The printer is powered on and ready to print.

Pause



The printer is paused. The operator must press the **Pause** button to resume print operations.

Media Out



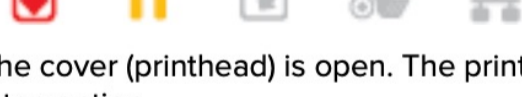
The media (labels, receipts, tags, tickets, etc.) supply is out. The printer needs attention and cannot continue without user intervention.

Transferring Data



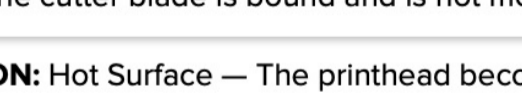
Data communications are in process.

Data Transfers Paused



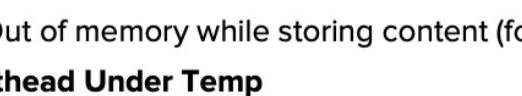
A data communication operation has not finished but is not actively being transferred.

Out of Memory



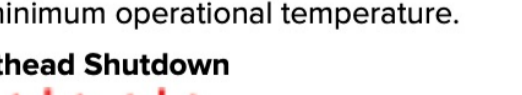
Out of memory while storing content (formats, graphics, fonts, etc.).

Cover Open/Printhead (PH) Open



The cover (printhead) is open. The printer needs attention and cannot continue without user intervention.

Cut Error (Binding)



The cutter blade is bound and is not moving properly.

CAUTION: Hot Surface – The printhead becomes hot while printing. To protect from damaging the printhead and risk of personal injury, avoid touching the printhead. Only use the cleaning pen to perform printhead maintenance.

Printhead Over Temp



Out of memory while storing content (formats, graphics, fonts, etc.).

Printhead Under Temp



The printhead is under temperature. Typically, the operating environment is below the printer's minimum operational temperature.

Printhead Shutdown



The printhead is over-temperature. Turn the printer OFF. After several minutes to allow the printer to completely cool, turn the printer ON.

Printhead Resolution Error



The printer is unable to read the printhead resolution type (dpi). The printhead has been replaced incorrectly or is a non-Zebra printhead.

Unauthorized Printhead Error

The printhead was replaced with one that is not a genuine Zebra printhead. Install a genuine Zebra printhead to continue.

Status - Bluetooth Low Energy (BTLE) Option

Bluetooth LE Paired

Bluetooth Low Energy has paired.

Bluetooth LE Failed to Pair

Bluetooth Low Energy has failed to pair.