

The Auxiliary Port

The Auxiliary port is capable of supporting a single wedge device (barcode scanner, weight scale, 10-key pad, etc.). The key features are:

- Only receives input data for auxiliary device.
- It is only active during Form data entry operations.
- It is active in both EPL and ZPL Form data entry operations.
- Includes low current +5 volt DC to power wedge devices.
- The port is configured as a Data Terminal Equipment (DTE) port.

Auxiliary Port Communication Configuration

Auxiliary port communication settings:

- **Baud Rate:** 4800
- **Parity:** none
- **Data bits:** 8
- **Stop bits:** 1
- **Flow control:** Hardware
- **Data flow:** Input only

ZKDU Pinout Configuration

The Auxiliary port connector is a Female DB-9. Low current +5 volt DC is supplied on pin 9 of the auxiliary port to retain backward compatibility to the KDU classic.

| PIN | NAME | DIRECTION |
|-----|----------|-----------------|
| 1 | DCD | NOT USED |
| 2 | TXD | NOT USED |
| 3 | RXD | FROM AUX DEVICE |
| 4 | DTR | NOT USED |
| 5 | GND | |
| 6 | DSR | TO AUX DEVICE |
| 7 | RTS | NOT USED |
| 8 | CTS | TO AUX DEVICE |
| 9 | +5V (RI) | TO AUX DEVICE |

The + 5 Volt DC power supplied to the ZKDU via the printer, draws 50 mA for the ZKDU. The remaining current is available to power peripheral devices attached to the ZKDU via the Auxiliary Port. The current available depends upon the Zebra label printer type attached to the port.

- Printers with ZPL allow 750 mA - 50 mA (ZKDU draw) = 700mA
- EPL only printer allow 250 mA - 50 mA (ZKDU draw) = 200mA