FXP20 POS RFID Reader

Quick Start Guide

ZEBRA

MN-004823-02EN Rev A

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Introduction

The FXP20 POS RFID Reader is intended for use in a retail environment to scan RFID-tagged items by moving them over the reader during checkout.

See Also

zebra.com/fxp20-info

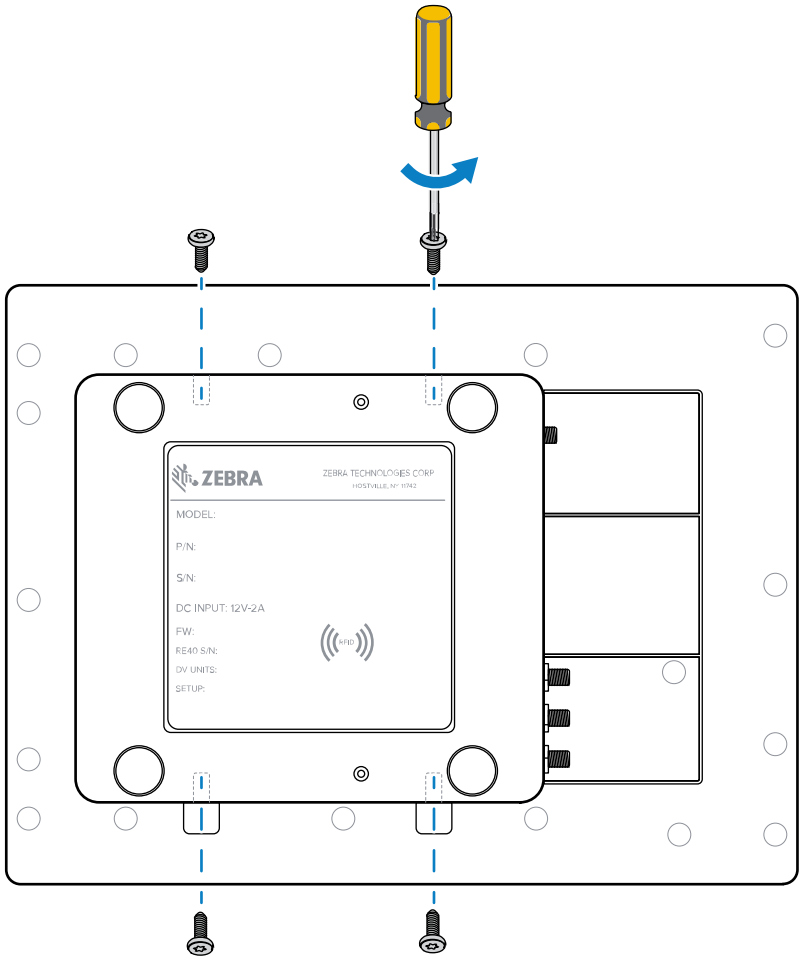
Installing the Reader in a Point of Sale (POS) Counter

Install the reader in the point of sale counter before connecting cables or the power supply.

1. If necessary, remove the old reader by unplugging the power supply from the electrical outlet. Then disconnect the USB cable and antenna cables from the old reader.

2. Place the new reader in the point of sale counter.

NOTE: Depending on the configuration at your location, the reader may require use of the adapter plate (included). Refer to the instructions in this guide to remove or attach the adapter plate as needed.

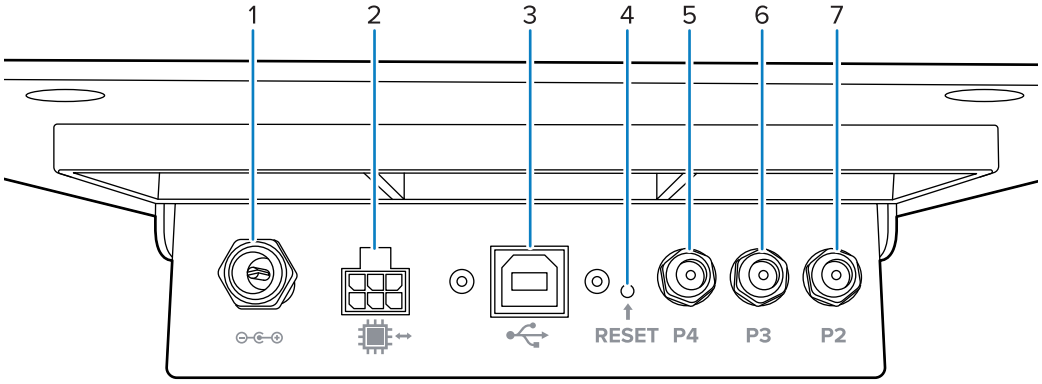


1	Adapter plate
2	FXP20 POS RFID Reader (reader)

3. Connect the cables and then the power supply. Refer to the instructions in this guide.

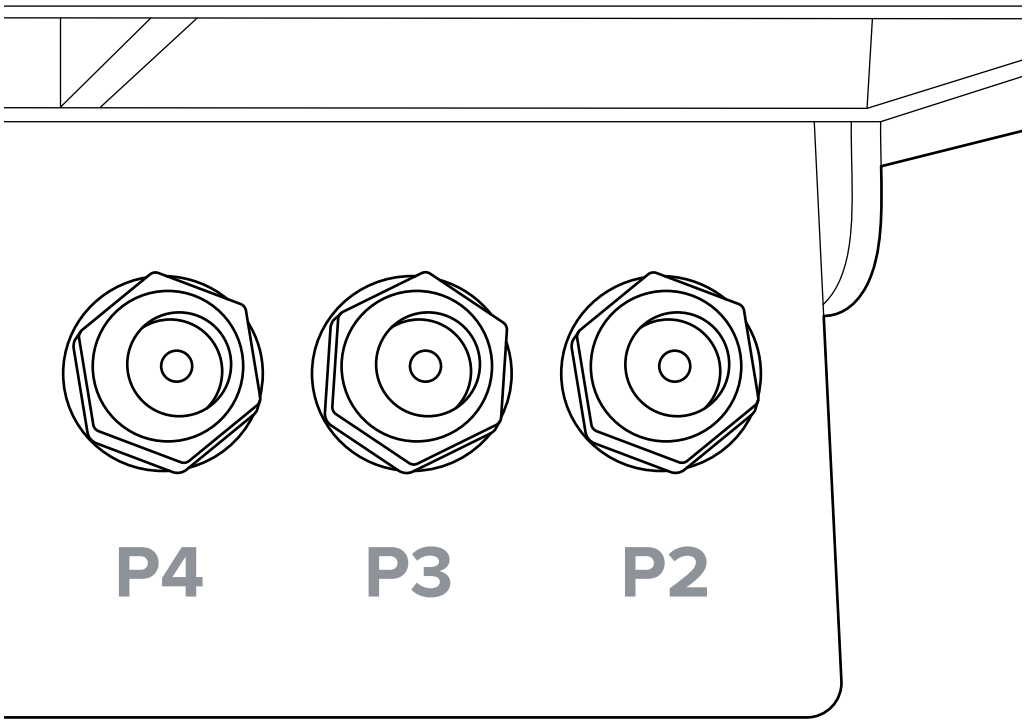
Connecting the Cables and Power Supply

Connect the antennas and any other cables before connecting the power supply.



1	DC power
2	GPIO (cable not Included)
3	USB
4	Reset button
5	P4 external antenna (cable not included)
6	P3 external antenna (cable not included)
7	P2 external antenna (cable not included)

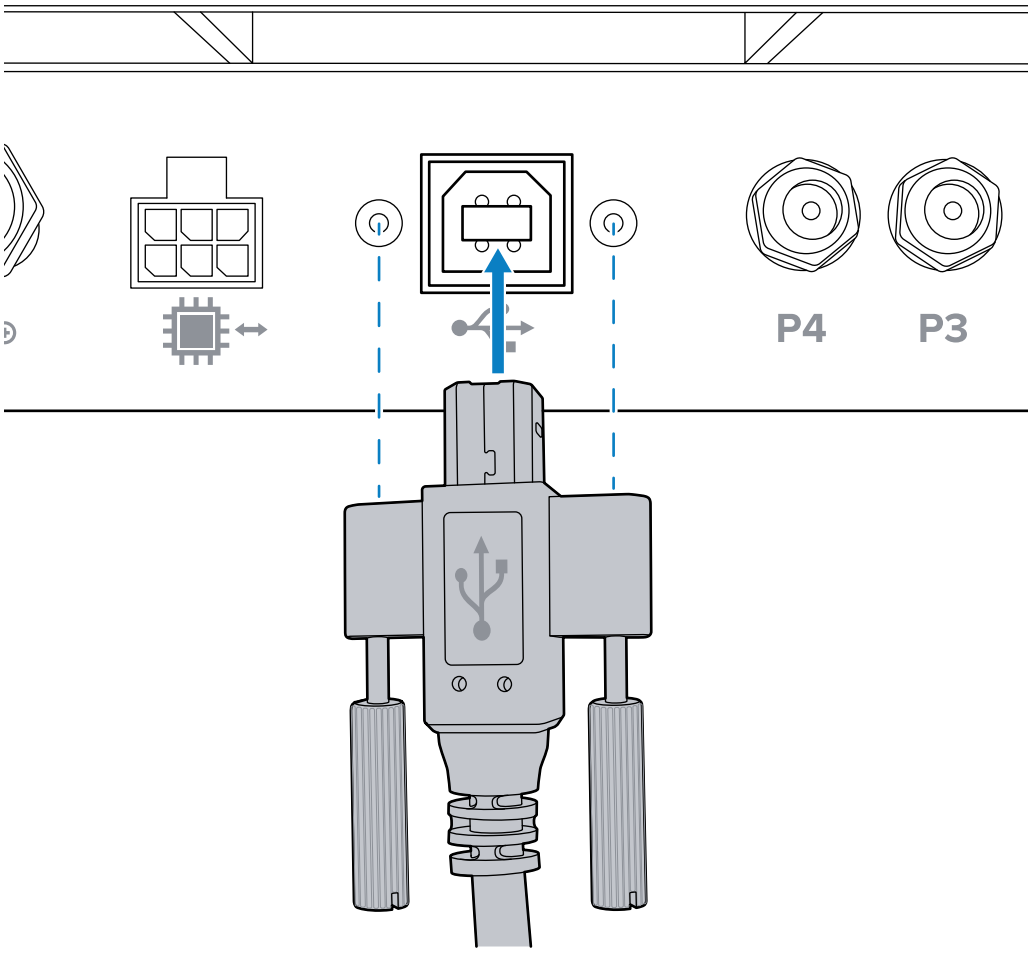
1. Attach the antenna cables and then torque to tighten.



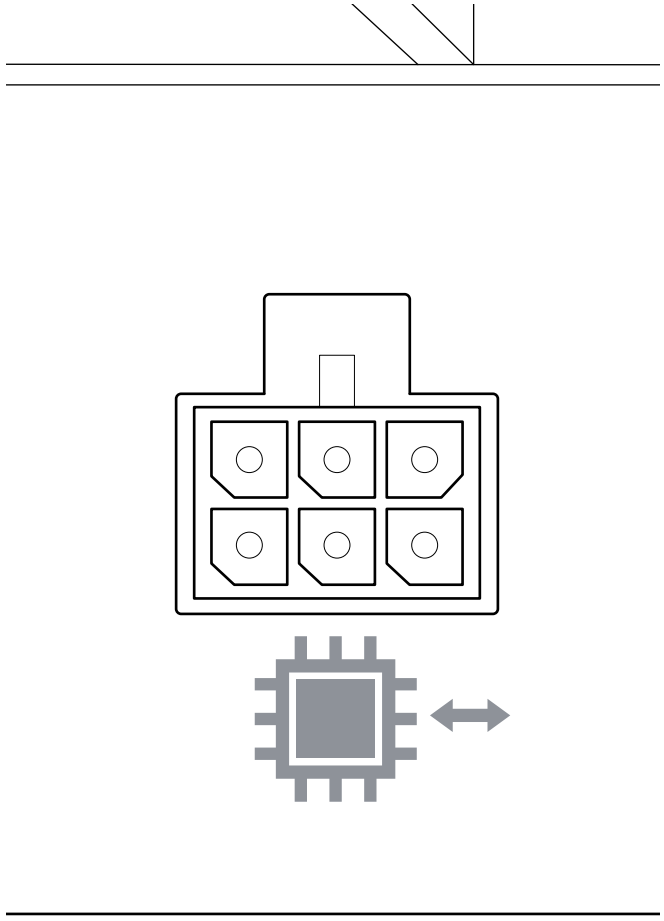
a) Attach an external antenna cable to P2, P3, and P4

b) Torque to 3–5 in·lbf (0.3 to 0.6 N·m) for brass connectors, and 7–10 in·lbf (0.8 to 1.1 N·m) for stainless steel connectors.

2. Connect the USB cable and retaining screws to the reader and turn both retaining screws clockwise until tight.

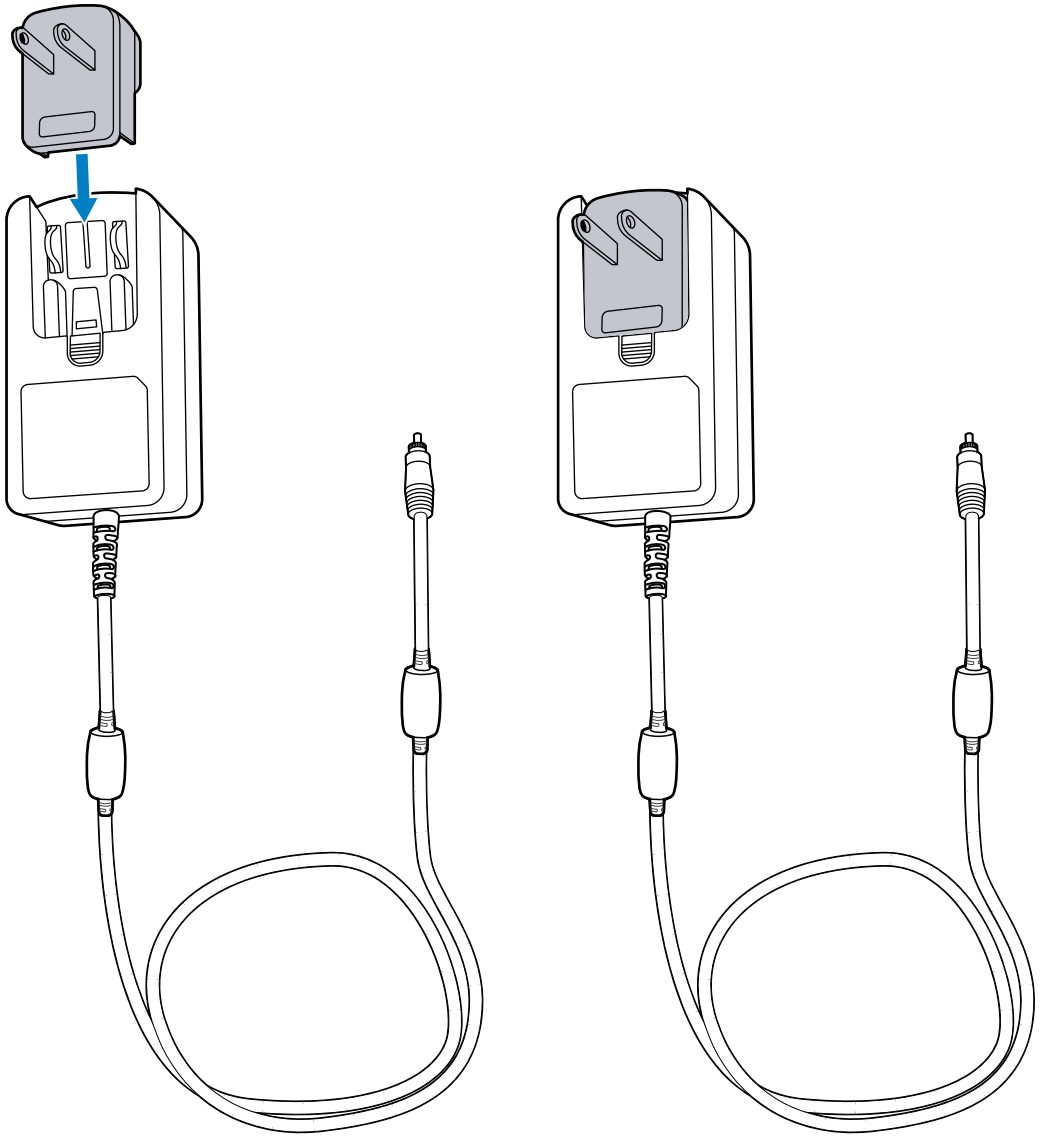


3. (Optional) Connect a GPIO cable.



4. Prepare the power supply as necessary.

NOTE: The following is an example. Use the power supply adapter applicable to your region.

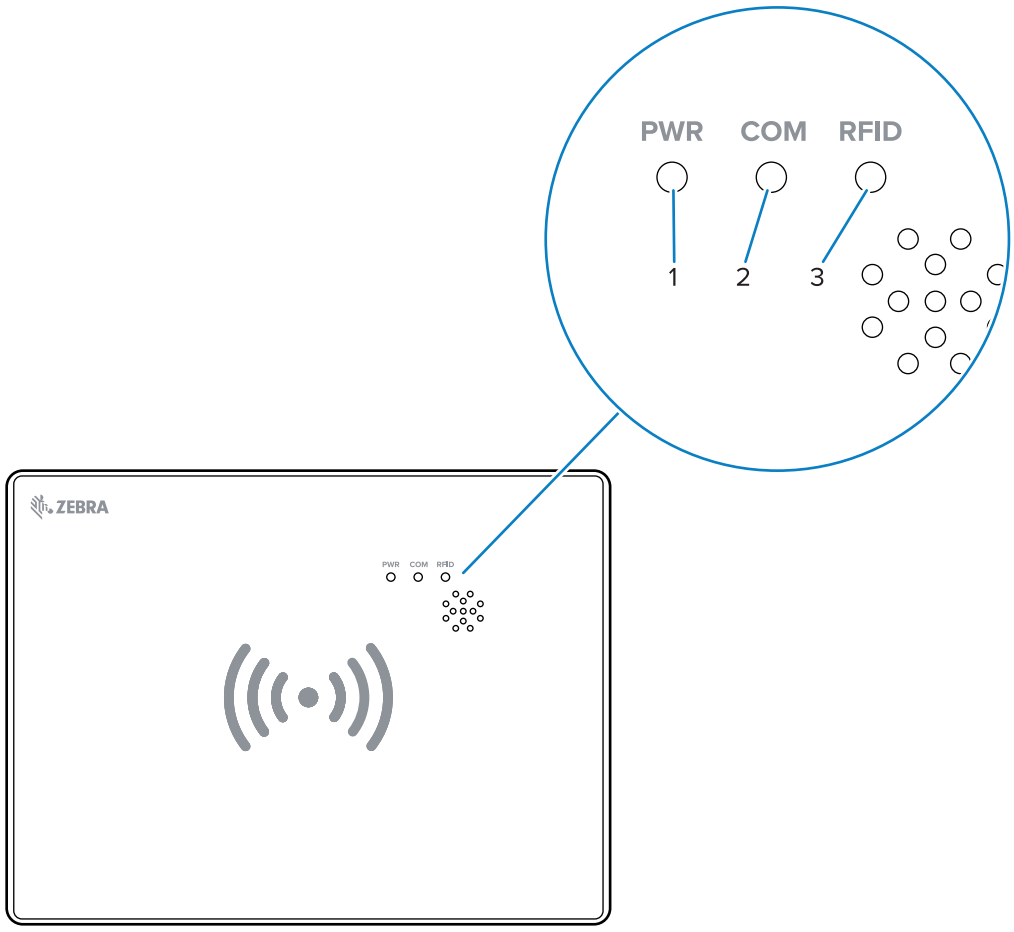


5. Attach the power supply to the reader and turn the locking ring on the power cord clockwise until tight.
6. Plug the DC power supply into the electrical outlet provided for this purpose.

   The LEDs on the device begin to illuminate.

Status LEDs

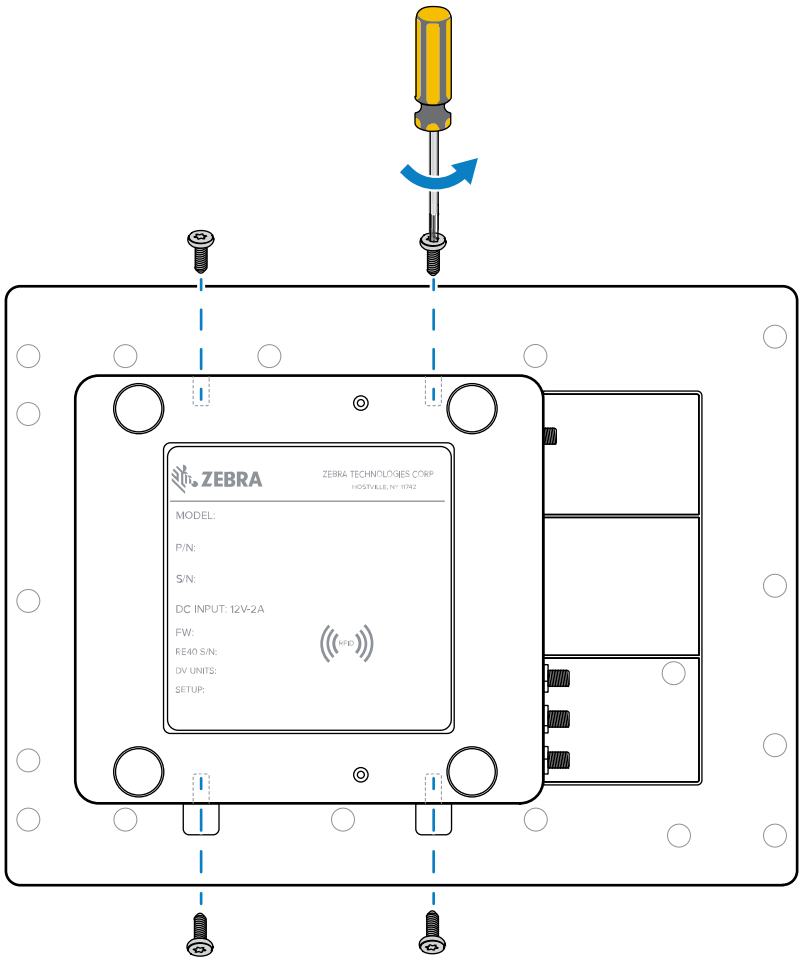
The reader's LEDs indicate its operating status.



1	PWR	Green	• Solid green: USB and power supply is connected and operational. • Blinking quickly: only the USB cable is connected, • Blinking slowly: only the power supply is connected, • Off: no power,
2	COM	Orange	• Blinking: one blink per RFID tag detected. • Off: RFID tag not detected.
3	RFID	Blue	• Blinking quickly: reading RFID tag(s). • Blinking slowly: POS/client is connected but not reading RFID tags. • Off: POS/client is not connected.

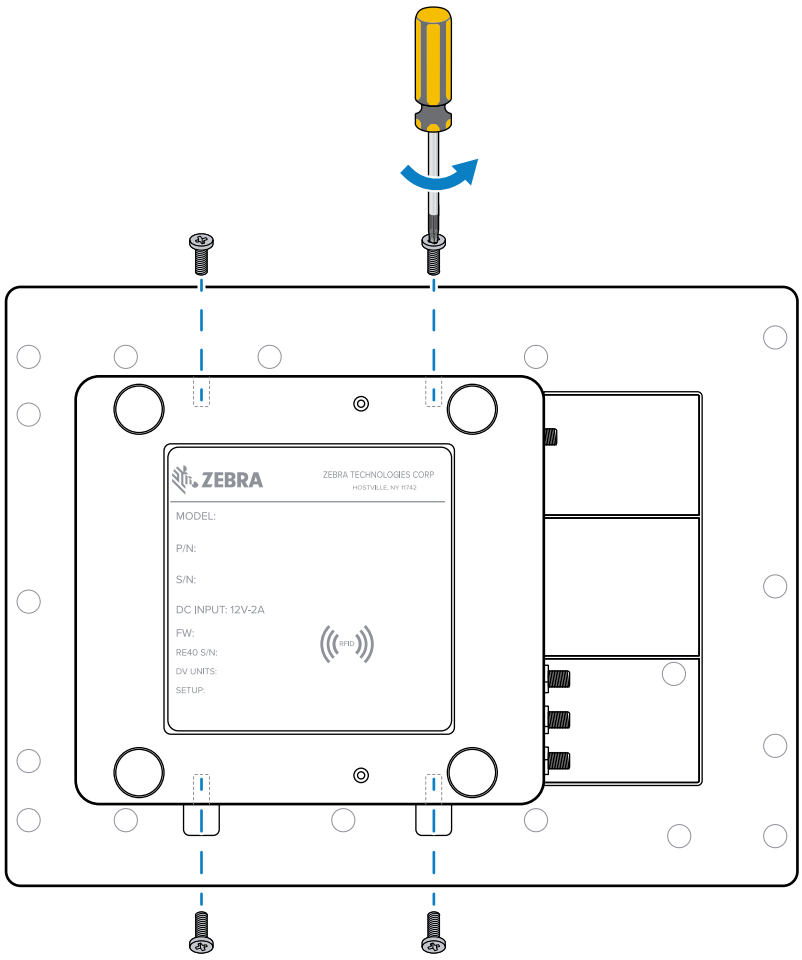
Removing the Adapter Plate

Remove the adapter plate with a 1.5 mm hex driver.



1	Adapter plate
2	FXP20 POS RFID Reader

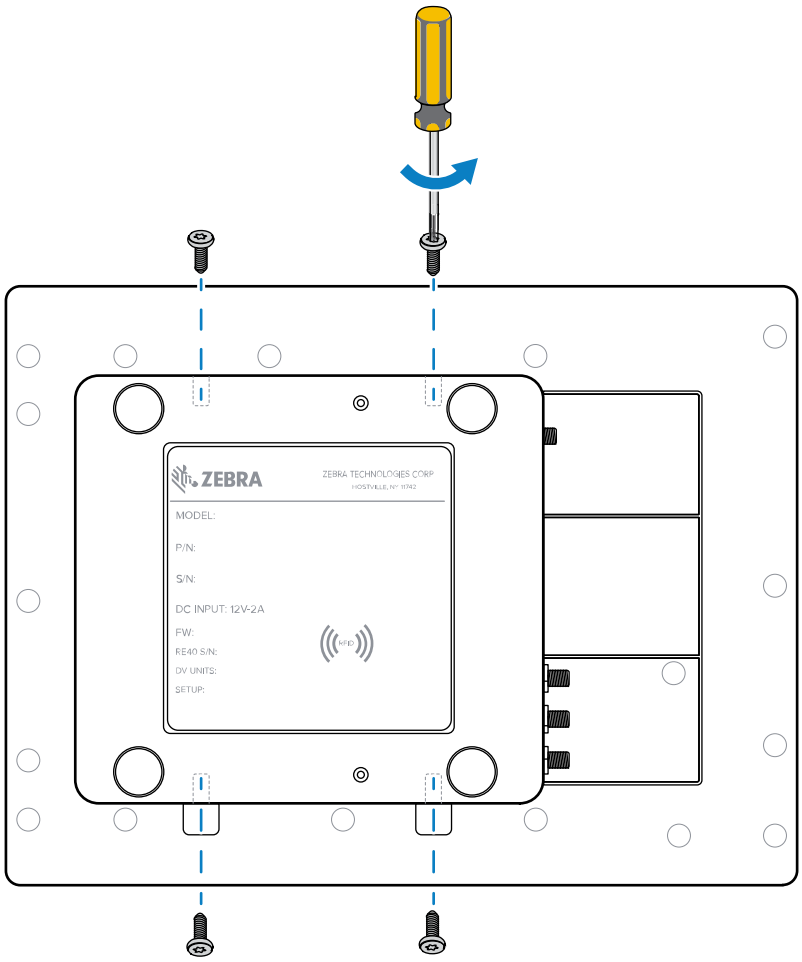
1. Use a 1.5 mm hex driver to remove the four screws.



2. Save the screws in case you need to reattach the adapter plate to the reader later.
3. Carefully lift the device off of the adapter plate.

Attaching the Adapter Plate

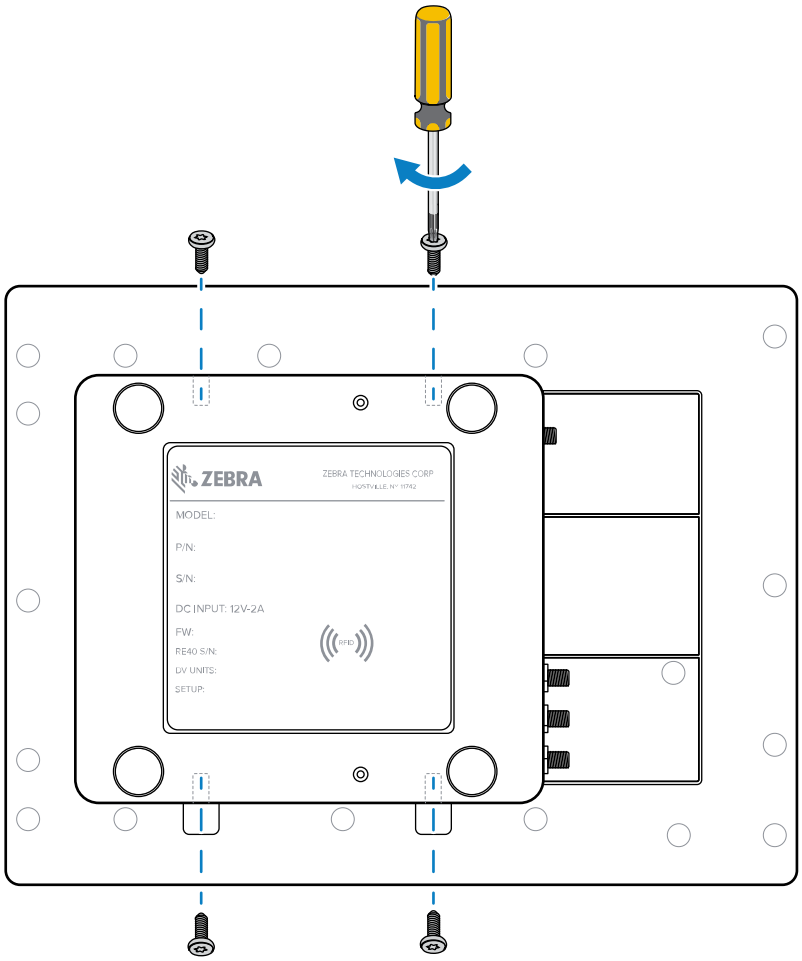
Use a 1.5 mm hex driver to attach the adapter plate to the reader, if needed.



1	Adapter plate
2	FXP20 POS RFID Reader

1. Find the four screws needed to attach the adapter plate to the reader.

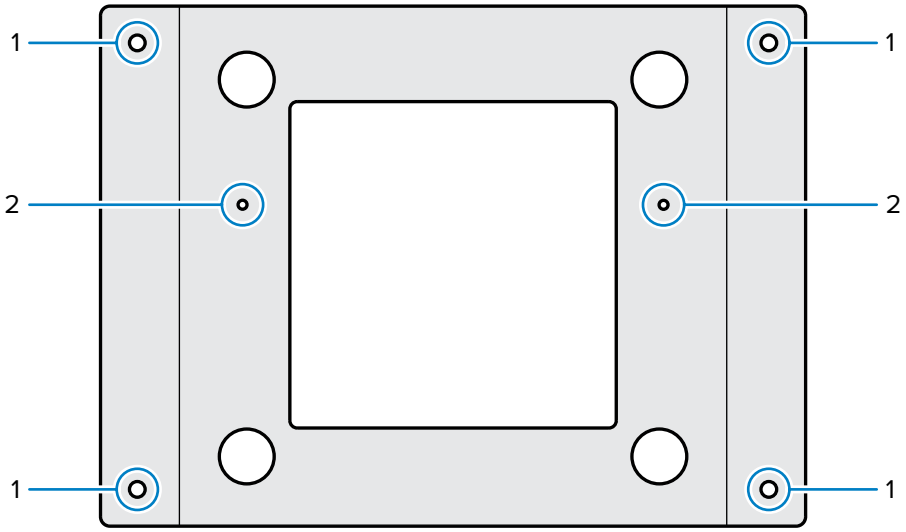
2. Carefully place the reader onto the adapter plate, aligning the threaded holes.



3. Use a 1.5 mm hex driver to secure the four screws.

Using the Bracket (Accessory)

The bracket is an accessory (sold separately) that can secure the reader to the POS counter instead of the included adapter plate. The part number to order the bracket from zebra.com is BRKT-042040-01.



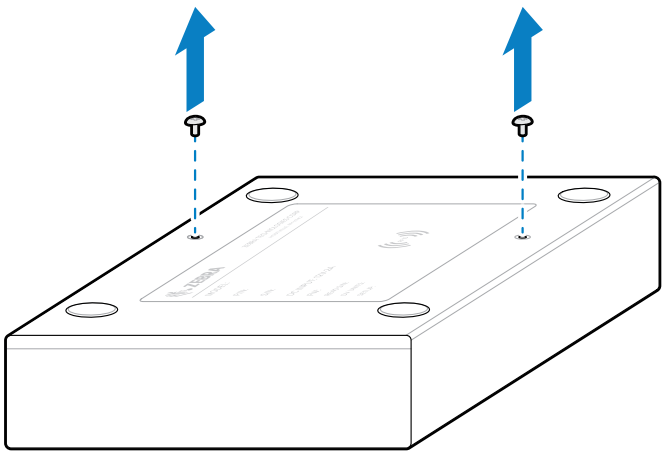
Location	Purpose
1	Attaches the bracket to the POS counter.
2	Attaches the reader to the bracket.

NOTE:

The following items are required for installation:

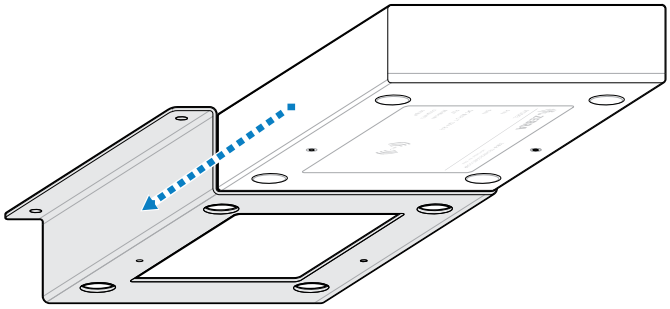
- Four screws of correct type to attach the bracket to the POS counter (1).
- Screwdrivers.
- A drill, if necessary.
- Pen/pencil.

1. Remove the set screws from the FXP20.



2. Use the bracket as a template and carefully mark the POS counter for the four screws (1).

3. If necessary, drill four holes where you marked the POS counter.
4. Mount the bracket onto the counter using four screws (not provided).
5. Orient the device such that the set screw holes align with the mounting holes on the bracket (2) . Slide the reader into place.



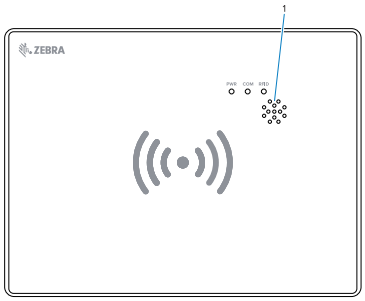
6. Secure the reader to the bracket using the two M2.5 screws provided.
7. Connect the cables and power supply as described in Connecting the Cables and Power Supply on page 5.

Cleaning Instructions

Use approved cleansers and a soft cloth to clean the reader or adapter plate.

Approved cleanser active ingredients: 100% of the active ingredients in any cleaner must consist of one or some combination of the following: 99.7% isopropyl alcohol, hydrogen peroxide, and mild dish soap.

IMPORTANT: Do not apply liquid directly to the reader. Avoid getting liquid in the speaker holes of the reader or adapter plate (1).



Lightly dampen a soft cloth and gently wipe the reader. Allow to dry before use.