

# IGT Installation Guide

*For Vendors*



***Proprietary and Confidential***

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## Product Information

### Card Reader Terminal:

- Model Number: PFAY0H
- Input: 15 VDC, 2 A
- Power Adaptor
  - Model: MDS-030AAC15
  - Input: 100-240 VAC, 0.6-0.8 A, 50/60 Hz
  - Output: 15 VDC, 2 A, 30W, LPS

### NFC Module:

- Model Number: 142HL8
- Input: 5 VDC, 0.5 A
- Power Adaptor
  - Model: PS39WR
  - Input: 100-240 VAC, 0.2 A, 50/60 Hz
  - Output: 5.25 VDC, 1A, 5W, LPS

## Safety Information

Power PFAY0H using the power adaptor shipped with the equipment (model MDS-030AAC15).

Power 142HL8 using the power adaptor shipped with the equipment (model PS57CP).

The device is for indoor use only.

Plug the power adaptor directly into a power outlet.

Do not use the power adaptor if it is broken, damaged or prongs are damaged.

Do not use the power adaptor in wet locations.

Do not use the power adaptor if the power cable is broken, damaged or fried.

The device contains Li-ion battery that is not serviceable.

The devices complies with UL/CSA 60950-1: Information Technology Equipment - Safety - Part 1: General Requirements

Changes or modifications not expressly approved by Nalloy LLC could void the user's authority to operate the equipment

## FCC



This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with this instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at their own expense.

To meet RF exposure requirements, this device needs to be placed at least 20 cm away from the body of the user as well as other radio antennas.

### Card Reader Terminal (PFAY0H):

FCCID: 2AVOB-PFAY0H

### NFC Module (142HL8):

FCCID: 2AVOB-142HL8

## Class 1 Laser Information

Model PFAY0H contains a laser module that complies with CLASS 1 limits per IEC60825-1:2007 and IEC60825-1:2014. The module complies with 21 CFR 1040.10 and 1040.11, except for deviations pursuant to Laser Notice No. 50, dated June 24, 2007.

CLASS 1 LASER PRODUCT

### **Exempt Group LED Information**

Model PFAY0H LED illumination limit complies with the EXEMPT Group of IEC 62471.

### **ADA Audio Jack**

Model PFAY0H is equipped with ADA audio headphone jack.

## Welcome to IGT

IGT is an identity and payments solution that provides customers an effortless way to identify and pay at a variety of brick-and-mortar retail experiences. IGT associates customer identity with the transaction, feeding into existing rewards or loyalty programs, and removes friction and time spent at the checkout counter.

Once set up, a first-time customer will insert their credit card into the device and hover their palm above the device to sign up. Any subsequent visits to any store that uses IGT, the customer will simply hover their palm over the device to pay and a text receipt is sent to their phone.

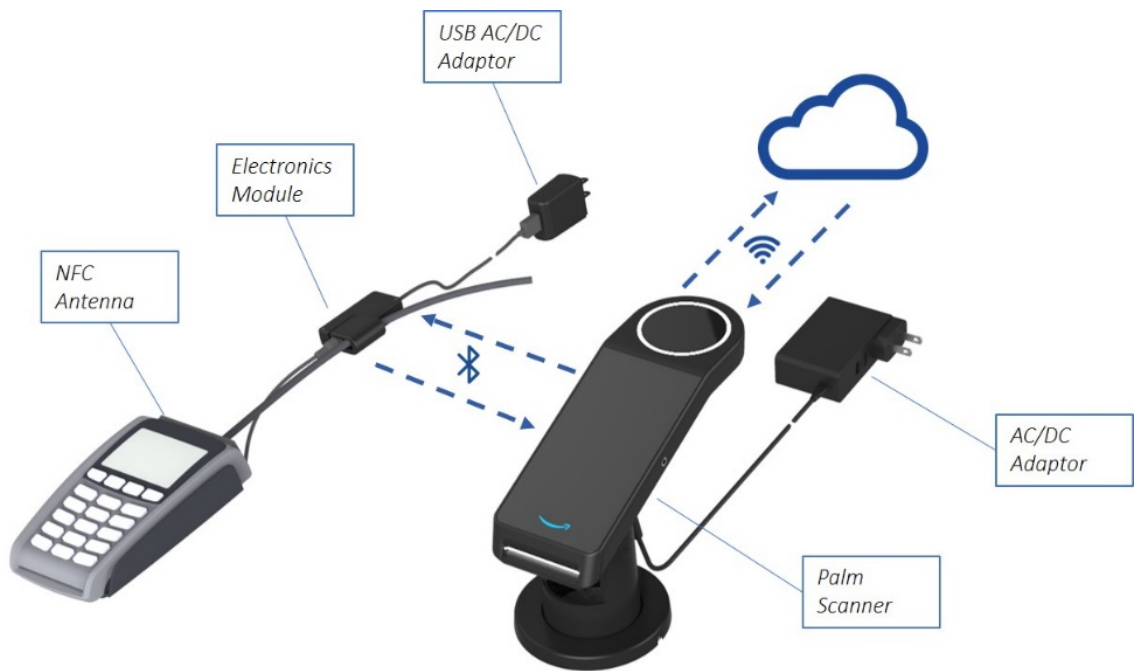
IGT is a simple set-up process that connects it to an existing POS system in a store.

## Supported Point-of-Sale (POS) Systems

IGT supports any POS that supports contactless Europay, MasterCard and Visa (EMV).

## How It Works

The near field communication (NFC) antenna communicates with both the palm scanner device via Bluetooth and a retail merchant's payment terminal via a separate NFC antenna. The Device Electronics Module comprises electronics necessary for NFC crypto-authentication, an NFC radio transceiver, and Bluetooth Low Energy radio transceiver that provides a secure communication channel between the palm scanner and a merchant's payment reader.

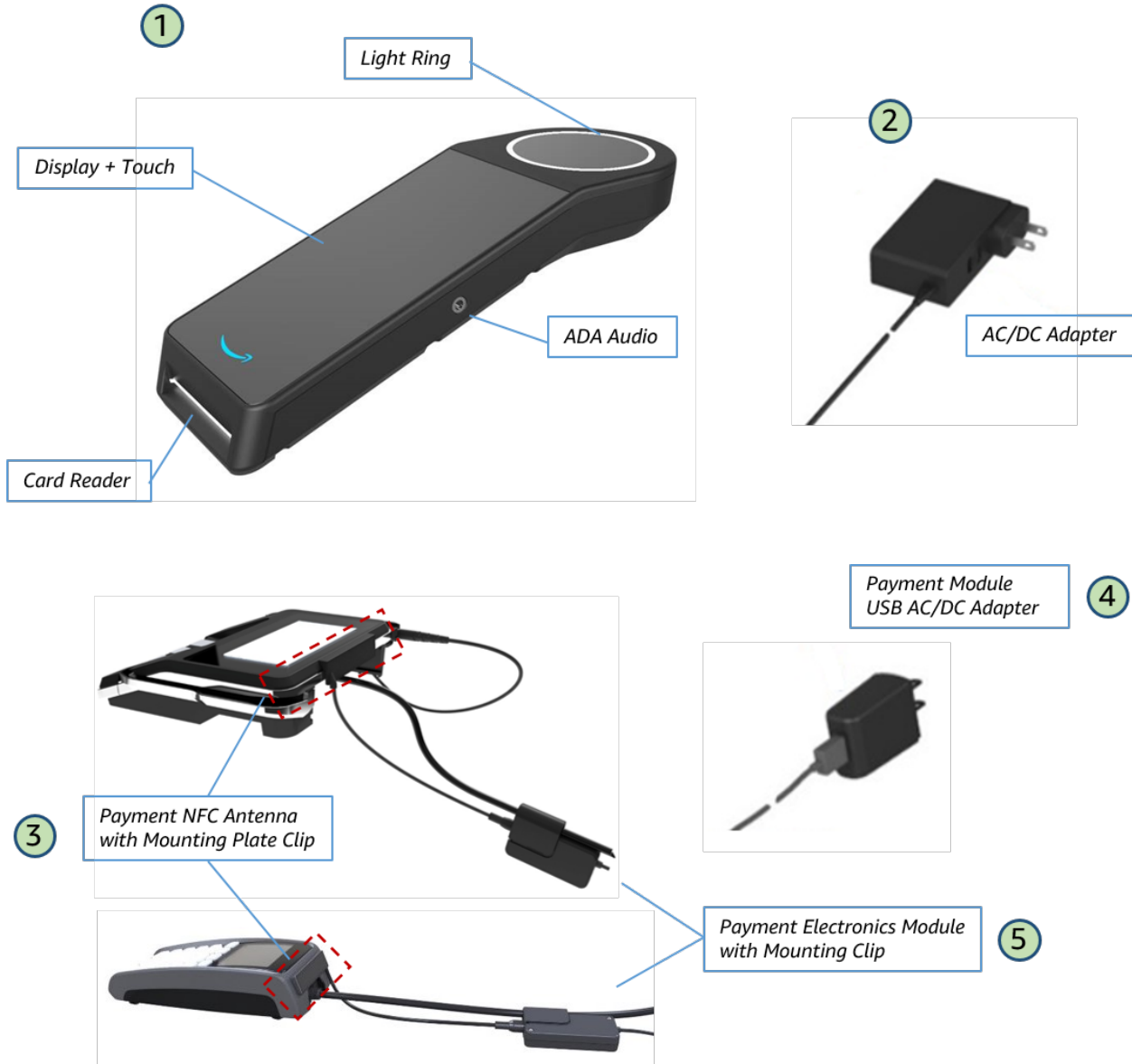


*IGT System Overview*

# Parts List

IGT consists of five hardware components:

- (1) Palm Scanner
- (2) Palm Scanner AC/DC Adapter
- (3) Payment NFC Antenna with Mounting Plate
- (4) Payment Module USB AC/DC Adapter
- (5) Payment Electronic Module with Mounting Clip



## Tools

Tools are not required unless you are mounting to a countertop. If mounting to a countertop, use the hardware recommended with the specific mounts.

## Installation

### Step 1: Attach the Payment NFC Antenna and Electronics Module

The payment NFC antenna attaches to the merchant's payment terminal and works with the electronics module to complete the payment transaction using the palm scanner. Both have 3M tape on the back for easy installation with the electronics module also containing a separate clip for alternatively attaching to the POS cable.

1. Mount payment NFC antenna.

The payment NFC antenna must be attached to the back or side of the POS system.



*Example of POS with the NFC antenna attached*

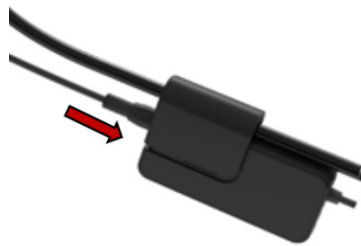
- a. Determine where to adhere the payment antenna (back or side of the POS system) and make sure the area is free of dust and dirt.

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**Note:** For best results, wipe down the area with a damp towel and let dry completely before adhering to surface.

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- b. Peel off the 3M tape from the back of the payment NFC antenna and firmly press it on to the POS surface.
2. Plug the antenna cable firmly into the electronics module.



*NFC antenna cable connected to electronics module*

3. Mount payment electronics module.

The electronics module can be secured to any hard surface using the included 3M adhesive tape or it can be attached to the POS cable using the included clip.

- **Mount using adhesive tape:**

Peel off the 3M tape from the back of the module and firmly press it on to the desired surface.

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**Note:** For best results, wipe down the area with a damp towel and let dry completely before adhering to surface.

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*Back and front of Electronics Module*

- **Mount using included clip:**  
Remove the clip from the module and place the POS cable in between the clip and the module and snap the clip back on to the module.



*Electronics module attached to POS cable with clip*

4. Plug the USB cable from the electronics module into the AC/DC power adapter and plug it in to an outlet.



*Electronics module USB cable to AC/DC power adapter*

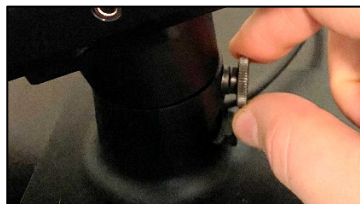
## Step 2: Set up the Palm Scanner

1. Insert the power plug end of the power cord through the mounted base on the table.
2. Insert the power cord into the wall and the opposite end into the back of the scanner. The device will turn on automatically.



*Palm Scanner power cord connection*

3. Loosen the mount screw (if necessary) and place the scanner face up on the mounted base. The device screen and card reader insert needs to be facing towards the customer.
4. Place the scanner firmly in the base and twist the black screw into the mount to firmly secure.



*Palm Scanner mounting screw*

5. Push down gently on the scanner to see if it moves. If it does, tighten the screw a little more until secure.
6. Verify the electronics module has power by checking to see if the green power light is on and blinking. Once the scanner is plugged in and communicating to the antenna, the green power light will light up on the electronic module and start blinking. It will always be blinking when there is a connection. If a solid green light appears and does not blink, unplug the antenna and scanner and plug them back in again to restart the device.



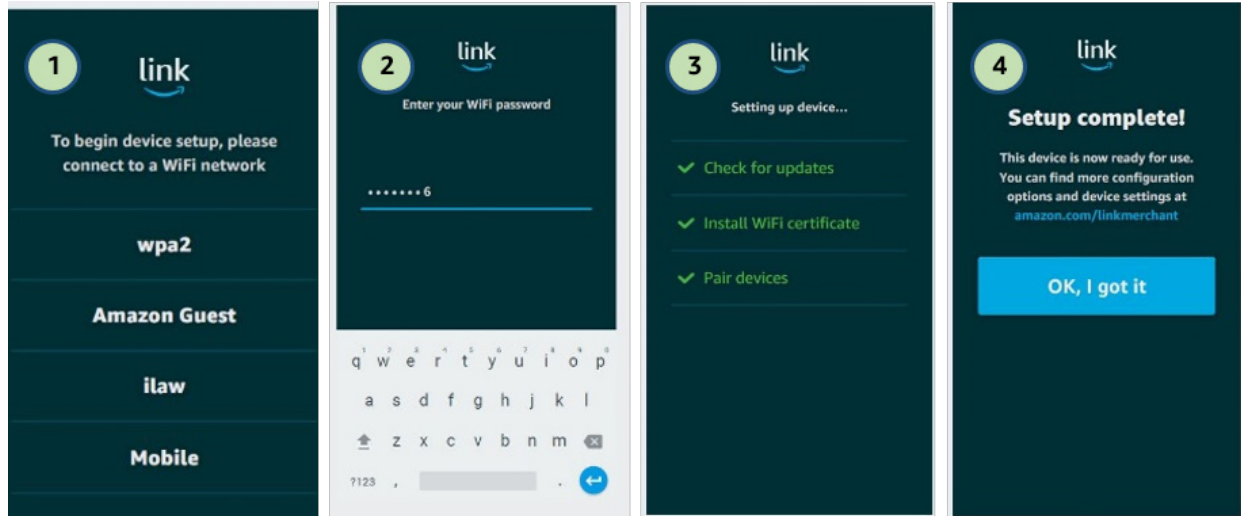
*Blinking green light*

*Electronics module blinking power light*



### Step 3: Virtually set up the IGT Device

Once IGT is installed, complete the following virtual set up steps:



1. Search for and connect to a WiFi network.
2. Enter your WiFi password.
3. Set up device.  
This will be completed automatically – device will check for updates, install WiFi certificate, and pair with the other devices.
4. Select **OK, I got it** to complete set up.

**IMPORTANT NOTE:** Do **NOT** unplug the machine during the virtual set up process.

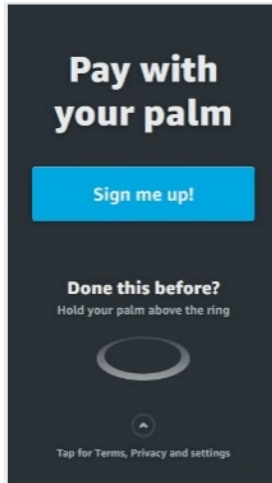
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**NOTE:** If any of the steps fail, select the row to restart that step.

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## Step 4: Test the IGT Device

Once the **Pay with your palm** page displays, the device is ready for use, no testing is required.



If you want to test the device with a supported credit card, follow the sign-up process as if you were a new customer to test the sign up process and the pay for an item.

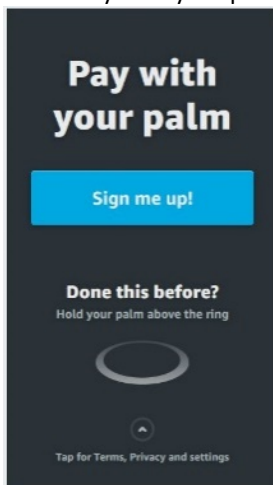
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**NOTE:** *If you have signed up with a credit card before, then you can sign up with different credit card to walk through the steps or you can use your other palm to sign up again.*

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### **Sign up and pay for an item:**

1. At the Pay with your palm screen, select **Sign me up!**



2. Follow the prompts on the screen for when to insert a credit card, enter a phone number, and hover your palm above the scanner.
3. Once signed up, purchase something by going through the purchase process by holding your palm above the scanner. If you do not want to purchase anything skip this step.

## Specifications

### Palm Scanner

<b>Size</b>	Width:78 mm Length: 218 mm Height: 77 mm
<b>Weight</b>	300 g
<b>Power</b>	110/220 VAC input AC to DC adaptor provided, 15 VDC x 2 A peak output
<b>Operating Temperature</b>	10C to 35C
<b>Working Distance</b>	3.3 ± 1.0 inches above white light ring
<b>Display</b>	5.0" color display, HD720 resolution, up to 400 nits brightness
<b>Touch Interface</b>	Capacitive Touch Display
<b>USB</b>	Type C, device for point-of-sale (POS) integration
<b>WiFi</b>	802.11 ac 2x2 MIMO
<b>Blue Tooth</b>	BLE v4.2 for secured connectivity between the Palm Scanner and Payment Electronics Module
<b>Card Reader</b>	EMV chip cards accepted
<b>Speaker</b>	0.7 Watt for audible user prompts
<b>Audio Jack</b>	3.5 mm mono headset jack

### Payment Accessories

<b>Electronics Module Size</b>	65 mm x 40 mm x 15 mm
<b>Power</b>	110/220VAC input AC to DC USB adaptor provided
<b>Operating Temperature</b>	10C to 35C
<b>NFC Antenna Size</b>	64 mm x 14.6 mm Cable length: 197 mm
<b>Blue Tooth</b>	BLE v4.2 for secured connectivity between the Palm Scanner and Payment Electronics Module
<b>Power Indicator</b>	Green LED