

Transmit to FedEx & UPS via NRG

Last Modified on 02/13/2026 1:04 am EST

This guide is intended for Duggal Visual Solutions general users specifically. Information herein may contain customizations and particulars specific to the Duggal aACE system. Click this [link](https://aace5.knowledgeowl.com/help) (<https://aace5.knowledgeowl.com/help>) for the General aACE Software aACE 5 Knowledge Base.

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See the [FedEx and UPS Integration](https://aace5.knowledgeowl.com/help/nrg-shipping-fedex-ups-integration) (<https://aace5.knowledgeowl.com/help/nrg-shipping-fedex-ups-integration>) article for more information on navigating the NRG window.

NRG

NRG is a Multi-Carrier Shipping software built in FileMaker for UPS, FedEx, USPS and LTL Freight. NRG allows automation of shipping and rate retrieval to the user at the time of order. NRG also provides visibility to shipment statuses within the aACE and other FileMaker based systems.

Get Rates and the Shipping Cost Field

The user can select a UPS or FedEx **Courier Service** and Save the Shipment in a **Pending** State without Transmitting to NRG. By doing this, a **Get Rates icon** appears next to the Shipping Cost field. Clicking this **icon** will populate the Shipping Cost field with the rate appropriate to the **Courier Service, Package Type, Dimensions (in)** and **Weight (lbs)** fields.

Value	Packing	Ship Cost	Invoice	Install
54.00	0.00	0.00	0.00	0.00

Line Item	Code	Description	Order	Purchase Order	Exp Qty	Quantity	Weight	Ref #
1	DCP14	Digital C Print GLOSSY	861691		1	1	0	#s

The Get Rates icon only works for NRG-related shipping (FedEx and UPS). But, the cost field can be manually entered for all Courier types. Quote Freight shipments can be recorded in this way. If the Pricing logic for that carrier is based off cost, this field will NEED to be populated for accurate pricing to be relayed to the Order.

The Get Rate Icon is presently broken and non-functional.

The previous script step, "Perform Script", could not be completed because of an error. Do you wish to continue with this script?

Cancel Continue

Transmit a Shipment to NRG

NRG is activated for an aACE Shipment when a UPS or FedEx **Courier Service** is selected and the Shipment is "**Transmitted**" to NRG. Transmitting a Shipment to NRG will generate a

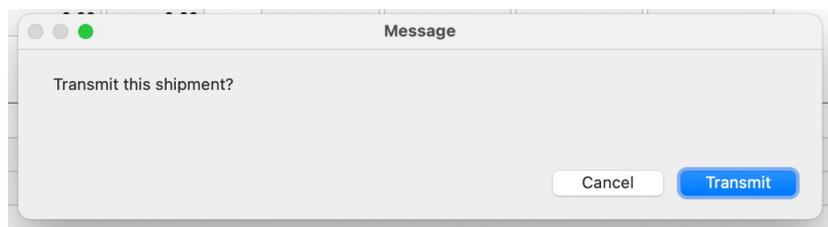
shipping record in NRG to be actually sent to the UPS and FedEx systems by the Shipping Department. Labels can also be generated from NRG.

[Graphical user interface, applicationDescription automatically generated](https://dyzz9obi78pm5.cloudfront.net/app/image/id/689aa0e41d96aa0cb608a41f/n/1754964195317.png)

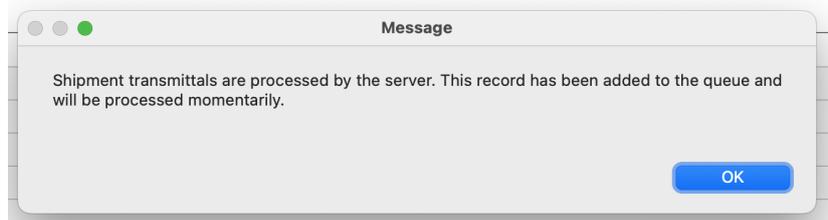
(<https://dyzz9obi78pm5.cloudfront.net/app/image/id/689aa0e41d96aa0cb608a41f/n/1754964195317.png>)

Marking a Shipment "Shipped" will lock all fields in the Shipment. It is important to get all fields populated before marking a Shipment Shipped.

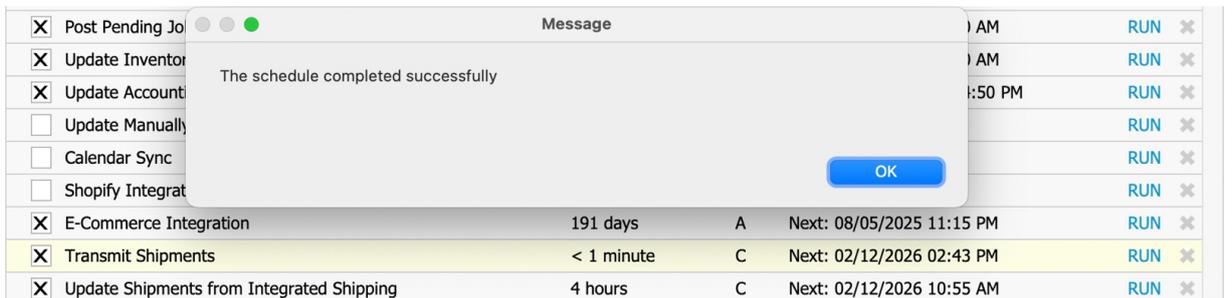
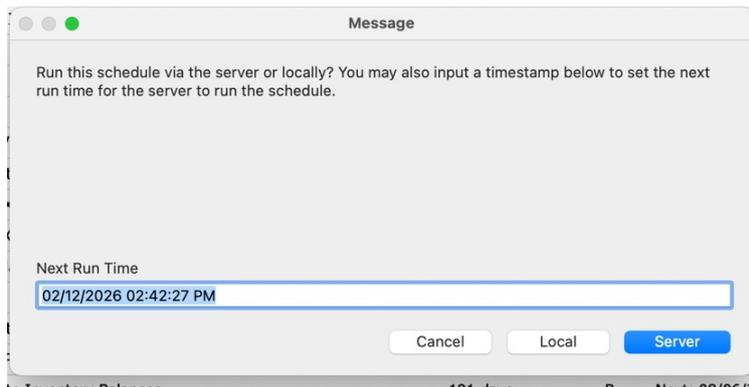
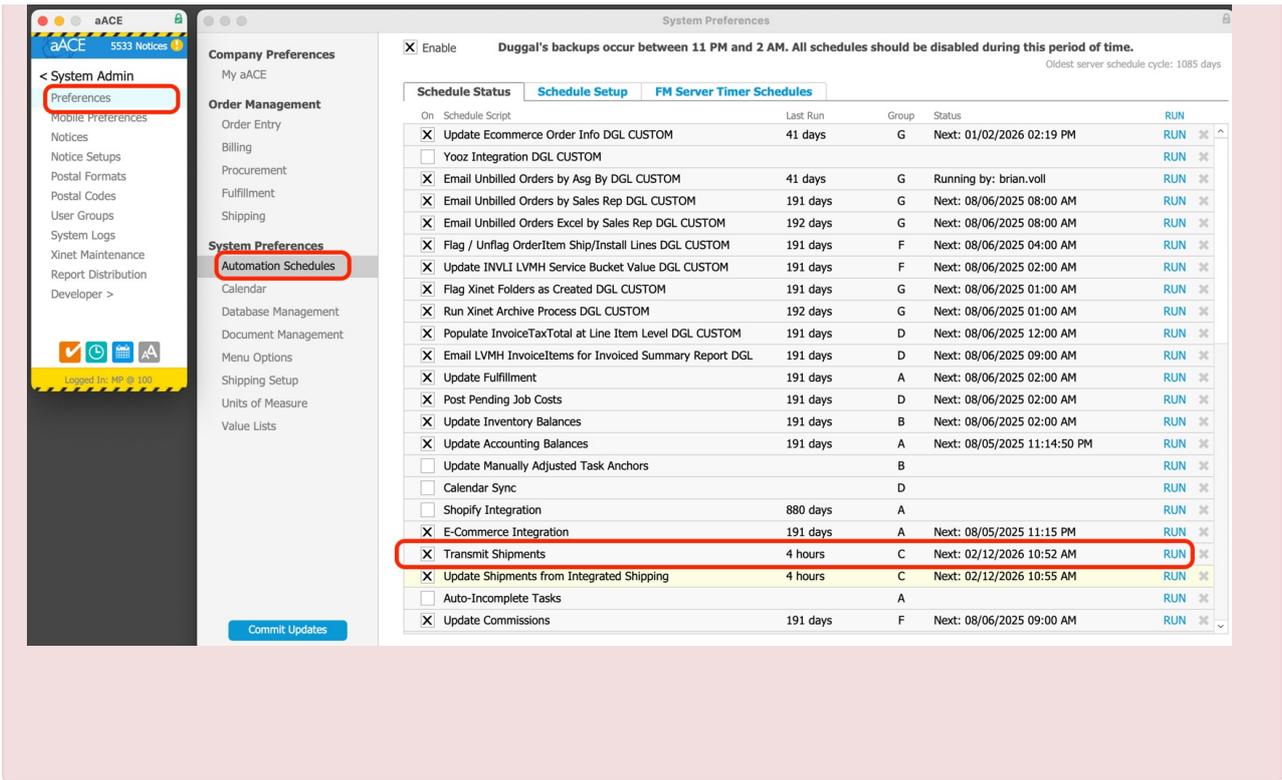
When Saving a Shipment, a pop-up window appears asking if you wish to **Transmit the shipment?** If ready to send to the Shipping Dept to action, click **Transmit**. If not ready, clicking **Cancel** will save the Shipment in a Pending State.



Upon Transmitting, the Shipment is added to a queue that is processed via an Automation Schedule set up in aACE.



aACE will reflect the Transmitted status only after the "Transmit Shipments" process runs. While testing the dev system, this can be run by clicking the **Run** link and selecting **Local** in the pop-up window.



Shipment Status and Tracking Status

Once a Shipment is Transmitted, an **NRG** icon appears, the **Shipment Status** changes to **TRANSMITTED**, and the **Tracking Status** changes to "Transmitted".

Record: 2 of 2 New Edit Delete Print Actions

Shipment: 111925 Testing Company Inc 2/12/2026

TRANSMITTED ●

Outgoing Shipment [Build Packing List](#) Notices Emails Docs

Shipped To

Company > Contact >

Order > Packing Requirements FOB

Description

Value	Packing	Ship Cost	Invoice	Install
54.00	0.00	0.00	10.00	0.00

Shipment Info NRG Purchased

Courier Account # Courier Service Saturday Delivery Yes No

Package Type L x W x H Weight

Courier Tracking # Ship Time Ship Date

Package IDs Ref 01 Ref 02 Ref 03

Shipping Address

Testing Company Inc
2901 Osceola Pkwy
Orlando, FL 32830

Phone

Duties Payer Duties Payer Account #

Packing List

Line Item	Line Item Code	Description	Order	Purchase Order	Quantity	Weight	Ref #(s)
1	1	DCP14 Digital C Print GLOSSY	861690		1	0	#s

Dept: 710-5 Assigned By: Matthew Pelfrey Assigned To: Tim Perkins Tracking Status: Transmitted

The List View displays the Status and Tracking Status.

Company	Title	Rec Type	Packing Reqs	Asgn	Courier Service	Tracking #	Date	Time	Tracking Status	Status
Testing Company Inc	Testing Company Inc	OUT		TP1	FedEx Ground	39867590475	02/12/26	2:00 PM		SHIPPED
Testing Company Inc	Testing Company Inc	OUT		TP1	FedEx Ground	39868827321	02/12/26	2:00 PM		SHIPPED
Testing Company Inc	Testing Company Inc	OUT		TP1	FedEx Ground		02/12/26	2:00 PM	Transmitted	TRANSMITTED ●

Accessing the Transmitted NRG record

Clicking the **NRG icon** will open a new window displaying the related NRG record. The Record shows the Shipment number and related Order number.

Shipment: 111925 Testing Company Inc 2/12/2026 TRANSMITTED

Shipped To: Testing Company Inc, John Q Public, 861690

Shipment Info: NRG, UPS Ground, 7:00 PM, 02/12/26

Shipping Address: Testing Company Inc, 2901 Osceola Pkwy, Orlando, FL 32830

Packing List: 1 DCP14 Digital C Print GLOSSY 861690

Parcel View: NEW SHIPMENT TO TESTING COMPANY INC

Shipment Addresses: Receiver: Testing Company Inc, John Q Public, 2901 Osceola Pkwy, Orlando, FL 32830, UNITED STATES. Sender: (555) 555-5555, JQP@test.com

Shipment Information: Carrier/Service: FedEx Ground. Package: 1 Package - 2 lbs - \$54 value. Package Type: Your Packaging, Weight: 2, Ins. Value: 54. Dimensions: L 5, W 5, H 5.

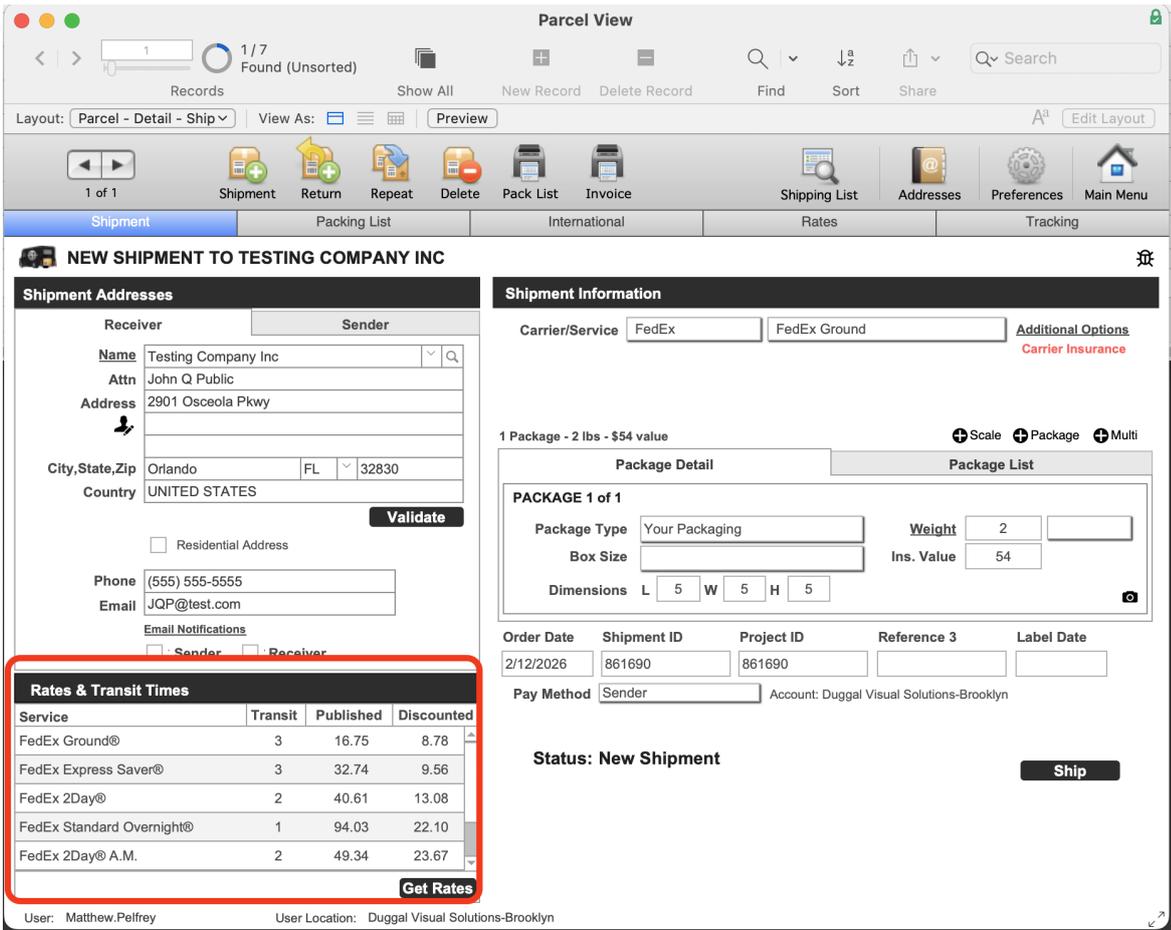
Rates & Transit Times: Table with columns: Service, Transit, Published, Discounted.

Status: New Shipment

Buttons: Ship, Get Rates

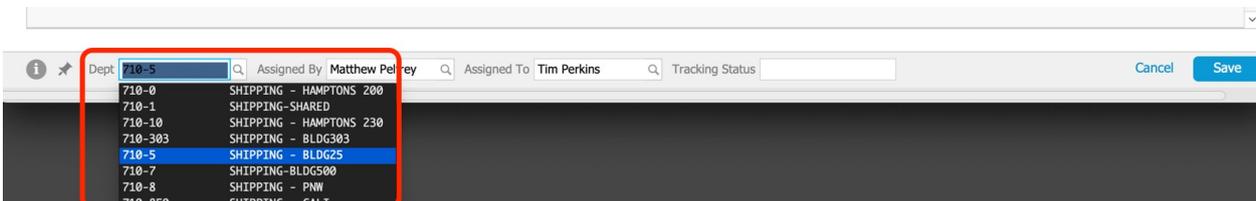
If characteristics of the **Shipment** have changed, the **NRG** record may be edited, but edits in **NRG** will NOT transfer back to aACE.

The **Get Rates** button will re-calculate rates for different courier options.



The **Sender** information is connected to the Dept at the bottom of the aACE Shipment Window.

The options in this drop-down list are designated Type= Shipping in the offices Module> Departments Tab. The Sender Name in NRG is the Team Member assigned as Traffic Manager for that Department.



Example 1: When the Building 200 Shipping Dept is assigned, NRG Sender looks like this.

Record: 4 of 4

Shipment: 111927 Testing Company Inc 2/13/2026

TRANSMITTED

Outgoing Shipment **Build Packing List**

Shipped To
 Company: Testing Company Inc
 Contact: John Q Public
 Order #: 861691
 Description: Digital C Print GLOSSY
 Value: 54.00, Packing: 0.00, Ship Cost: 0.00, Invoice: 0.00, Install: 0.00

Shipment Info NRG
 Courier Account #: FedEx Ground
 Package Type: 6 x 6 x 6
 Ship Time: 2:00 PM, Ship Date: 02/13/26

Shipping Address
 Testing Company Inc
 100 Broadway
 New York, NY 10005

Packing List

Line Item	Line Item Code	Description	Order	Purchase Order	Quantity	Weight	Ref # (0)
1	DCP14	Digital C Print GLOSSY	861691		1	0	

Dept: 710-0 assigned by Matthew Peffrey Assigned To Jacky Romero Tracking Status: Transmitted

Record: 2 of 11

Office: Duggal Visual Solutions-Hamptons 200 (200)

ACTIVE

General Info
 Tax ID: 13xxxx, AvaTax Co Code: DEFAULT

Office Info
 Address Title: Duggal Visual Solutions-Hamptons
 Address: 200 Rogers Way
 City: Westhampton Beach, State: NY, Postal Code: 11978

Payment Address
 Address: 200 Rogers Way
 City: Westhampton Beach, State: NY, Postal Code: 11978

Departments

Department Name	Abbr	Entity #	Dept #	Type	Heads	Sq Ft	Start Time	End Time	Traffic Mgr	Default Job	Status
DIGITAL NANOGRAPHIC HD	315-0	1	315	Fulfillment			9:00 AM	5:00 PM			●
INDIGO	316-0	1	315	Fulfillment			9:00 AM	5:00 PM			●
PRINT - HAMPTONS 200	350-0	1	350	Fulfillment			9:00 AM	5:00 PM			●
FULFILLMENT - HAMPTONS 200	410-0	1	410	Fulfillment			9:00 AM	5:00 PM			●
INDIRECT - HAMPTONS 200	700-0	1	700	Office			9:00 AM	5:00 PM			●
SHIPPING - HAMPTONS 200	710-0	1	710	Shipping			9:00 AM	5:00 PM			● > JR14
MAINTENANCE - HAMPTONS 200	725-0	1	725	Office			9:00 AM	5:00 PM			●
SECURITY - HAMPTONS 200	730-0	1	730	Office			9:00 AM	5:00 PM			●

Records Found (Unsorted)

NEW SHIPMENT TO TESTING COMPANY INC

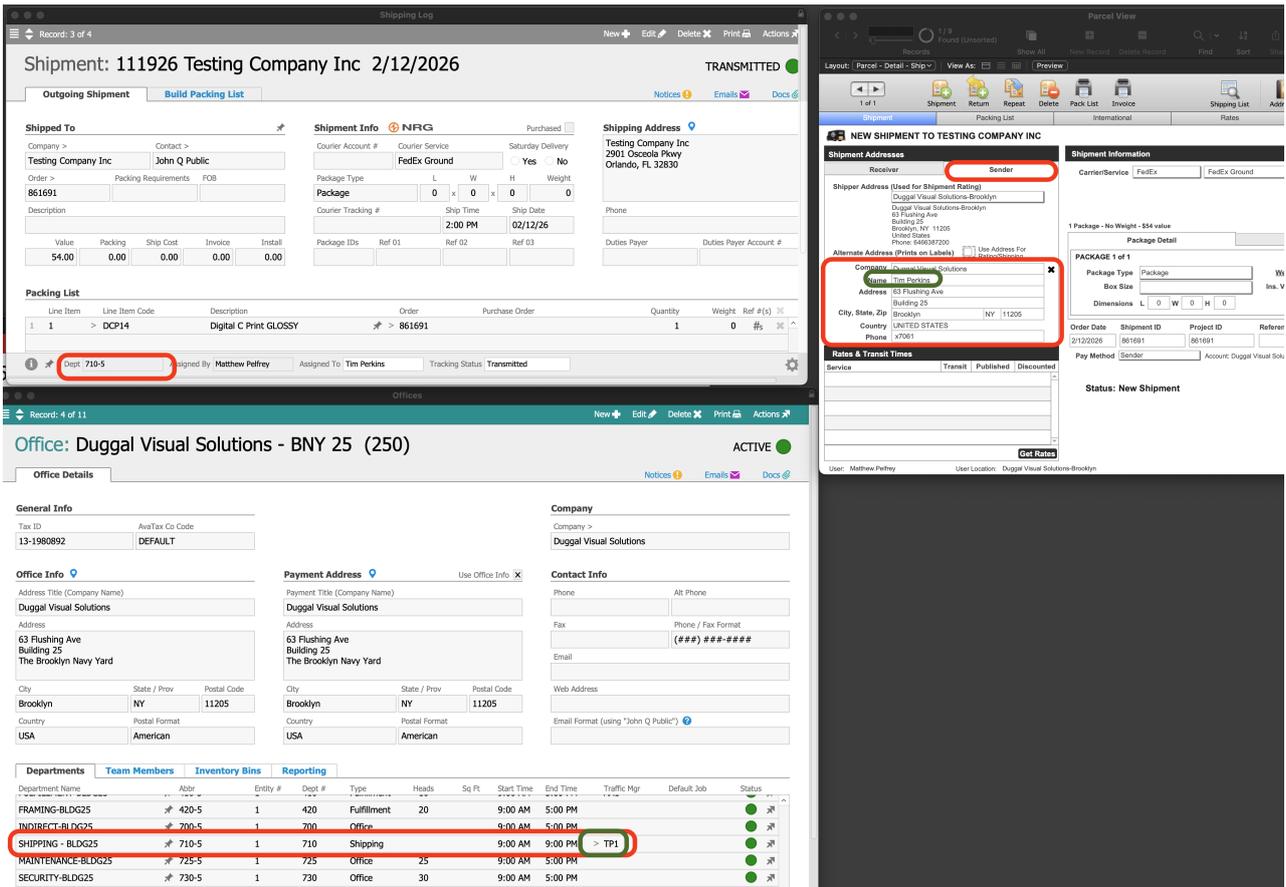
Shipment Addresses

Receiver: Testing Company Inc
 Shipper Address: Duggal Visual Solutions-Brooklyn
 Alternate Address (Prints on Labels): Duggal Visual Solutions-Hamptons
 City, State, Zip: Westhampton Beach, NY 11978

Shipment Information
 Carrier/Service: FedEx
 Package 1 of 1: 6 lbs - \$54 value
 Status: New Shipments

Dept: 710-0 assigned by Matthew Peffrey Assigned To Jacky Romero Tracking Status: Transmitted

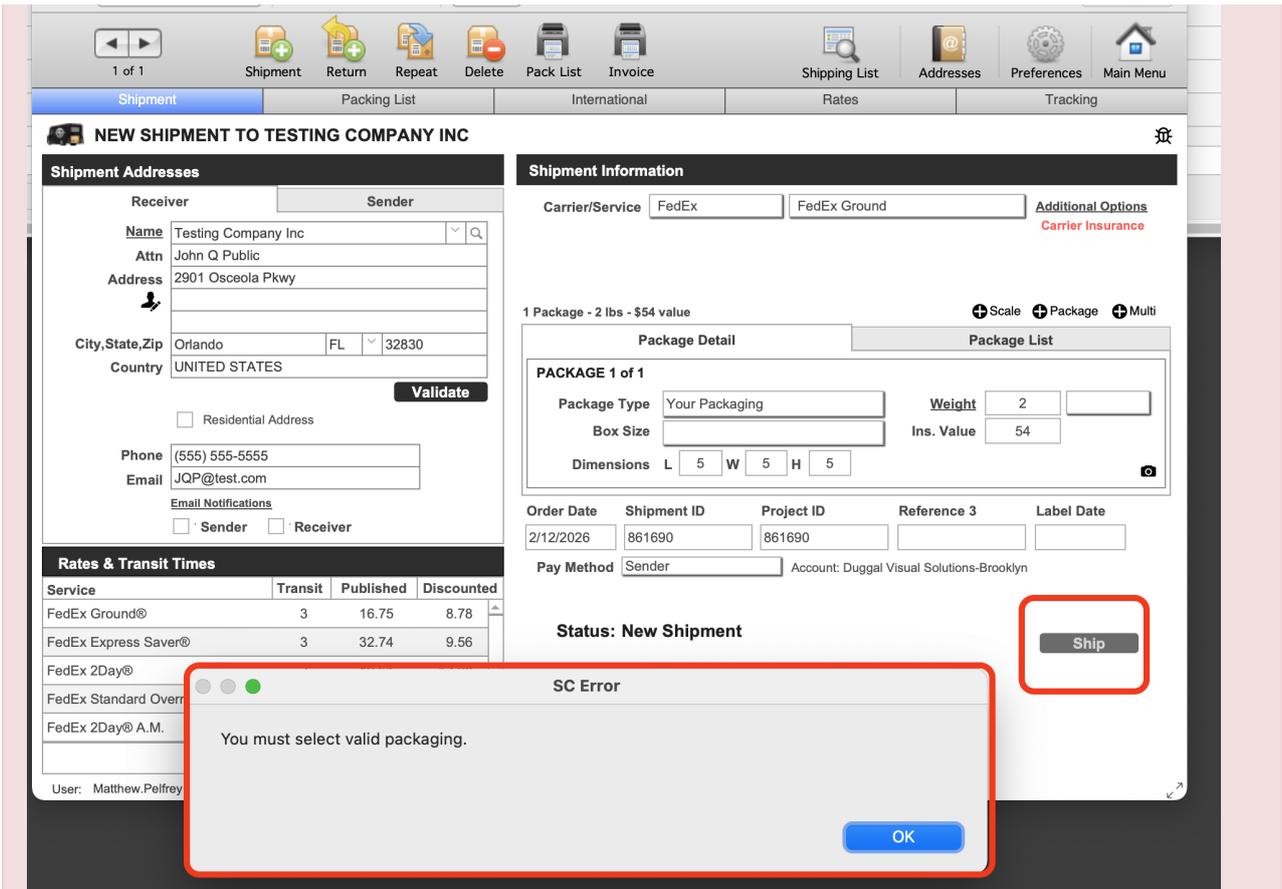
Example 2: When the Building 25 Shipping Dept is assigned, NRG Sender looks like this.



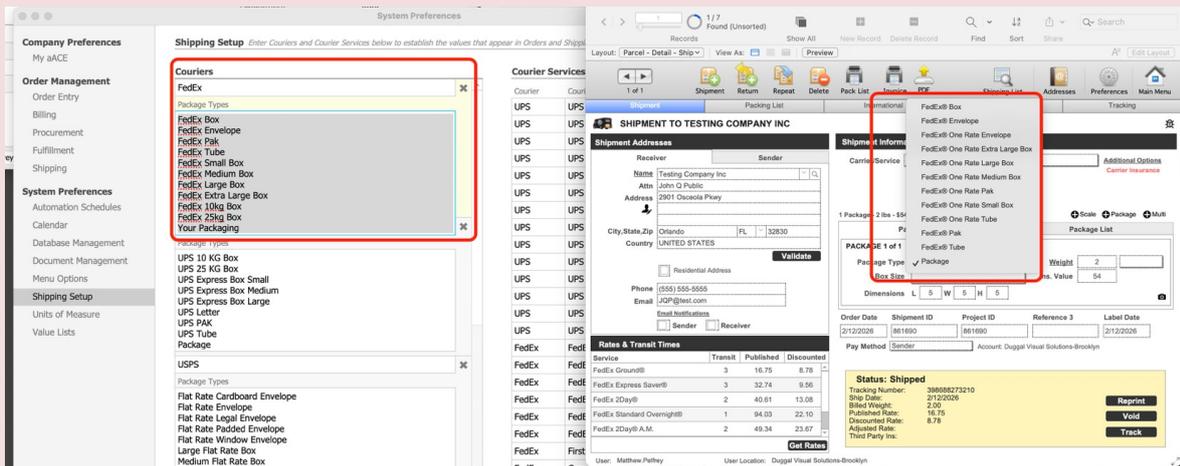
The NRG Ship Button will lock in the Cost and Tracking Number for the Shipment.

Validations occur in NRG to ensure necessary information is populated.

Note the below error. "Your Packaging" is not a valid entry for the Package Type field when using FedEx.



Clicking on the field will display the valid options. The aACE Courier Package Types should mirror those in NRG to avoid errors. These can be edited in the System preferences Module>Shipping Setup window.



When all fields are valid and the Ship button is selected, the Status for the NRG record becomes "Shipped", and tracking and cost information is visible in the yellow highlighted area.

SHIPMENT TO TESTING COMPANY INC

Shipment Addresses

Receiver: Testing Company Inc
 Attn: John Q Public
 Address: 2901 Osceola Pkwy
 City, State, Zip: Orlando, FL, 32830
 Country: UNITED STATES

Shipment Information

Carrier/Service: FedEx
 FedEx Ground
 Additional Options: Carrier Insurance

1 Package - 2 lbs - \$54 value

Package Detail

PACKAGE 1 of 1
 Package Type: Package
 Weight: 2
 Box Size: [] [] []
 Dimensions: L 5 W 5 H 5
 Ins. Value: 54

Rates & Transit Times

Service	Transit	Published	Discounted
FedEx Ground®	3	16.75	8.78
FedEx Express Saver®	3	32.74	9.56
FedEx 2Day®	2	40.61	13.08
FedEx Standard Overnight®	1	94.03	22.10
FedEx 2Day® A.M.	2	49.34	23.67

Status: Shipped

Tracking Number: 398688273210
 Ship Date: 2/12/2026
 Billed Weight: 2.00
 Published Rate: 16.75
 Discounted Rate: 8.78
 Adjusted Rate:
 Third Party Ins:

Buttons: Reprint, Void, Track

aACE will reflect these new values only after the “Update Shipments from Integrated Shipping” process runs. While testing the dev system, this can be run by clicking the Run link and selecting Local in the pop-up window.

Message

Run this schedule via the server or locally? You may also input a timestamp below to set the next run time for the server to run the schedule.

Next Run Time: 02/12/2026 02:43:08 PM

Buttons: Cancel, Local, Server

Task List:

- Update Fulfillment [X] RUN
- Post Pending Job C [X] RUN
- Update Inventory E [X] RUN
- Update Accounting [X] RUN
- Update Manually A [] RUN
- Calendar Sync [] RUN
- Shopify Integration [] RUN
- E-Commerce Integ [X] RUN
- Transmit Shipments [X] RUN
- Update Shipments from Integrated Shipping [X] RUN**
- Auto-Incomplete Tasks [] RUN

Message

The schedule completed successfully

Button: OK

Task List:

- Post Pending Job [X] RUN
- Update Inventory [X] RUN
- Update Account [X] RUN
- Update Manually [] RUN
- Calendar Sync [] RUN
- Shopify Integrat [] RUN
- E-Commerce Integration [X] RUN
- Transmit Shipments [X] RUN
- Update Shipments from Integrated Shipping [X] RUN

Once the Schedule runs, the aACE Shipment will display the Tracking # and Ship Cost. The Invoice field is also populated based on preset calculations on the Cost field.

Shipping Log

Record: 2 of 2

New + Edit Delete X Print Actions

Shipment: 11925 Testing Company Inc 2/12/2026

SHIPPED

Outgoing Shipment **Build Packing List** Notices Emails Docs

Shipped To

Company > Testing Company Inc
Contact > John Q Public

Order > 861690
Packing Requirements
Description

Value	Packing	Ship Cost	Invoice	Install
54.00	0.00	8.78	10.98	0.00

Shipment Info NRG

Courier Account #
Courier Service: FedEx Ground
Saturday Delivery: Yes No

Package Type: Your Packaging
Dimensions: 5 x 5 x 5
Weight: 2

Courier Tracking #: 39868273210
Ship Time: 2:00 PM
Ship Date: 02/12/26

Shipping Address

Testing Company Inc
2901 Osceola Pkwy
Orlando, FL 32830

Phone
Duties Payer
Duties Payer Account #

Packing List

Line Item	Line Item Code	Description	Order	Purchase Order	Quantity	Weight	Ref # (s)
1	1	DCP14 Digital C Print GLOSSY	861690		1	0	#s

SHIPMENT TO TESTING COMPANY INC

Shipment Addresses

Receiver: Testing Company Inc
Attn: John Q Public
Address: 2901 Osceola Pkwy
City, State, Zip: Orlando, FL 32830
Country: UNITED STATES

Phone: (555) 555-5555
Email: JQP@test.com

Shipment Information

Carrier/Service: FedEx Ground
Additional Options: Carrier Insurance

1 Package - 2 lbs - \$54 value

PACKAGE 1 of 1

Package Type: Package
Box Size: []
Dimensions: L 5 W 5 H 5
Weight: 2
Ins. Value: 54

Order Date: 2/12/2026
Shipment ID: 861690
Project ID: 861690
Reference 3: []
Label Date: 2/12/2026

Pay Method: Sender
Account: Duggal Visual Solutions-Brooklyn

Status: Shipped
Tracking Number: 39868273210
Ship Date: 2/12/2026

Buttons: Reprint, Void, Track

Rates & Transit Times

Service	Transit	Published	Discounted
FedEx Ground®	3	16.75	8.78
FedEx Express Saver®	3	32.74	9.56
FedEx 2Day®			
FedEx Standard Overnight®			
FedEx 2Day® A.M.			

User: Matthew Peltrey

Message

The schedule completed successfully

OK

aACE Fields and Corresponding NRG Fields

All other relevant information from the aACE Shipment populates the new NRG record.

Once the NRG shipment is **Shipped**, the aACE Shipment is marked **Shipped**, the **Tracking Status** is blanked, the **Courier Tracking #** and **Ship Date** are populated.

Shipping Log
Record: 2 of 3

Shipment: 111925 Testing Company Inc 2/12/2026 SHIPPED

Outgoing Shipment | **Build Packing List** | Notices | Emails | Docs

Shipped To | **Shipment Info** NRG | **Shipping Address**

Company: Testing Company Inc | Contact: John Q Public

Order: 861690 | Packing Requirements: | FOB: | Description: | Value: 54.00 | Packing: 0.00 | Ship Cost: 8.78 | Invoice: 10.98 | Install: 0.00

Package Type: Your Packaging | Dimensions: 5 x 5 x 5 | Weight: 2

Courier Account #: | Courier Service: FedEx Ground | Saturday Delivery: Yes No

Courier Tracking #: 398688273210 | Ship Time: 2:00 PM | Ship Date: 02/12/26

Shipping Address: Testing Company Inc, 2901 Osceola Pkwy, Orlando, FL 32830

Packing List

Line Item	Line Item Code	Description	Order	Purchase Order	Quantity	Weight	Ref #(s)
1	1	DCP14	Digital C Print GLOSSY	861690	1	0	#5

Dept: 710-5 | Assigned By: Matthew Pelfrey | Assigned To: Tim Perkins | Tracking Status: | Settings

SHIPMENT TO TESTING COMPANY INC

Shipment Addresses | **Shipment Information**

Receiver: Sender | Name: Testing Company Inc | Attn: John Q Public | Address: 2901 Osceola Pkwy | City, State, Zip: Orlando, FL 32830 | Country: UNITED STATES | Validate

Phone: (555) 555-5555 | Email: JQP@test.com | Email Notifications: Sender Receiver

Rates & Transit Times

Service	Transit	Published	Discounted
FedEx Ground®	3	16.75	8.78
FedEx Express Saver®	3	32.74	9.56
FedEx 2Day®	2	40.61	13.08
FedEx Standard Overnight®	1	94.03	22.10
FedEx 2Day® A.M.	2	49.34	23.67

Get Rates

Shipment Information

Carrier/Service: FedEx | FedEx Ground | Additional Options: Carrier Insurance

1 Package - 2 lbs - \$54 value | Scale | Package | Multi

Package Detail | **Package List**

PACKAGE 1 of 1

Package Type: Package | Weight: 2 | Ins. Value: 54

Box Size: | Dimensions: L 5 W 5 H 5

Order Date: 2/12/2026 | Shipment ID: 861690 | Project ID: 861690 | Reference 3: | Label Date: 2/12/2026

Pay Method: Sender | Account: Duggal Visual Solutions-Brooklyn

Status: Shipped

Tracking Number: 398688273210 | Ship Date: 2/12/2026 | Bill Weight: 2.00 | Published Rate: 16.75 | Discounted Rate: 8.78 | Third Party Ins: | Reprint | Void | Track

User: Matthew Pelfrey | User Location: Duggal Visual Solutions-Brooklyn

See the [FedEx and UPS Integration](https://aace5.knowledgeowl.com/help/nrg-shipping-fedex-ups-integration) (https://aace5.knowledgeowl.com/help/nrg-shipping-fedex-ups-integration) article for more information on navigating the NRG window.