NET Handy Terminal
Programming Manual

P/N C-00350 Rev 12-6-21

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NABCO hours of Operation: Monday to Friday 8:00 a.m.- 4:30 p.m. (Central Time)

Associated Manuals Part Numbers: *OPUS Swing Door Wiring and Programming Manual P/N C-00139*
OPUS Slide Door Wiring and Programming Manual P/N C-00391

WARNING

- **Turn OFF all power to the Automatic Door if a Safety System is not working.**
- **Instruct the Owner to keep all power turned OFF until corrective action can be achieved by a NABCO trained technician. Failure to follow these practices may result in serious consequences.**
- **NEVER leave a Door operating without all Safety detection systems operational.**

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CHAPTER 1: SAFETY

SECTION 1.1: Warning Labels

Warning labels are universal and used to alert an individual of potential harm to one's self or to others. The following warning labels are listed in a hierarchy order that defines the most potential danger first, and the least potential danger last.

DANGER **Indicates potentially dangerous situations. Danger is used when there is a hazardous situation where there is a *high* probability of severe injury or death. It should not be considered for property damage unless personal injury risk is present.**

WARNING **Indicates a hazardous situation which has *some* probability of severe injury. It should not be considered for property damage unless personal injury risk is present.**

CAUTION **Indicates a hazardous situation which *may result in a minor injury*. Caution should not be used when there is a possibility of serious injury. Caution should not be considered for property damage accidents unless a personal injury risk is present.**

Attention: A situation where material could be damaged or the function impaired.

Notice: Indicates a statement of company policy as the message relates to the personal safety or protection of property. Notice should not be used when there is a hazardous situation or personal risk.

Note: Indicates important information that provides further instruction.

SECTION 1.2: General Safety Recommendations

DANGER **Touching wires with a finger, or uninsulated tools, may cause electrical shock, serious injury, or death.**

WARNING **Radio wave may affect an implanted cardiac pacemaker. Stay (8.5) inches or more, away from the UG-A12 Bluetooth Module.**

WARNING **In medical institutions, consult the medical manufacturer to verify if a radio wave affects ambient, medical electronic equipment.**

WARNING **If there is any electronic equipment using high-precision control or a weak signal, consult with the manufacturer to find out if it is affected by radio wave.**

CAUTION **Read, study and understand general safety recommendations, warning labels, installation and operating instructions contained in, or referenced in this manual before operating. If you do not understand the instruction, ask a qualified technician. Failure to do so may result in bodily injury, or property damage and will nullify all warranties.**

CAUTION **Do Not allow any NET-HT components to get wet. Wet components will lead to heat generation or malfunction.**

CAUTION **Do Not use any NET-HT components if condensation is present. Condensation leads to a fire.**

CAUTION **Do Not cause a strong shock to any NET-HT components. Shocked components will lead to heat generation or malfunction.**

CAUTION **Both Ground Wires: (1) from the 120 VAC Harness for to the Control, and (1) from the 120 VAC Incoming Wiring, must be connected to the Ground screw located inside the Header.**

CAUTION **Other devices that emit radio waves (ex. Wireless LAN, Bluetooth device, digital cordless phone, microwave, etc.) may interfere with proper operation of the Android NET-HT. If connection is poor due to interference, shorten the distance between the UG-A12 and the Android NET-HT.**

CAUTION **Do Not connect other devices to any NET-HT components.**

Notice: Do Not touch parts of the Control board with a screwdriver or anything else metal. Damage to electrical circuitry may occur.

Notice: When overseas, only use a Bluetooth Dongle that obeys the rules of countries concerned.

Notice: Do Not use NET-HT Application on Android Devices intended for private use. NABCO files and other company information may be exposed.

Notice: Do Not use NET-HT Application on Android Devices that Can Not connect to a secured network. Nabco files and other company information may be exposed.

Attention: Ensure the Android Device battery is fully charged before attempting to program the Control. If the battery dies during programming, the setting Values would be invalid.

Attention: Do not turn OFF the Android Device during programming. The setting Values will become invalid.

CHAPTER 2: SCOPE

The purpose of this manual is to instruct the User to setup and use the NET-HT Application to program The Opus Control and/or the U-Series Control. It is the installer's responsibility to test the operation of the entrance system to be sure it complies with any applicable standards. In the United States, ANSI Standard 156.10 (Full Energy swing doors), ANSI Standard 156.38 (Low Energy swing doors), and ANSI 156.10 (Slide doors) apply. Other local standards or codes may apply. Use them in addition to the ANSI standards. It is essential for the system to be operational before the door is used by the public.

All installation changes and adjustments must be made by qualified, NABCO trained technicians. If after troubleshooting a problem, a satisfactory solution cannot be achieved, please call Nabco Entrances at 1-877-622-2694 between 8 am – 4:30 p.m. Central time for additional assistance.

CHAPTER 3: GETTING STARTED

SECTION 3.1: Request a User Name/Password to gain access into the "myNABCO" portal

To gain access into the "myNABCO" portal, the User must first have an assigned User Name and Password. To request a User Name and Password, the following must be done:

1. Open the NABCO Website: www.nabcoentrances.com
2. Enter the "myNABCO" portal → Request Access → Fill out the Request Access Form → Click onto Register
   a. A User Name and Password will be emailed back to the requestor.

SECTION 3.2: Control Compatibility

The Opus Control and the U30 Microprocessor Control are utilized to program both the Swing Door and Slide Door.

SECTION 3.3: Device Compatibility

The NET-HT Application only works with an Android Device. Each Android Device may work differently from the other, the installer must refer to each Android Device's User Manual, as needed.

SECTION 3.4: Bluetooth Module Specifications

Attention: Avoid long term exposure to temperatures that are colder than -4 degrees Fahrenheit.

UG-A12	Description
Power	DC 12 V ±10%
Current Consumption (when connected to)	▶ Android NET-HT: 50 mA
	▶ Any Control: 70 mA
Operable ambient temperature	▶ -4 to 122 degrees (-20 ~ 50º Celsius)
	▶ Store the UG-A12 at Room Temperature

CHAPTER 4: OBTAIN ASSOCIATED WEBSITE MANUALS OR VIDEOS

Android Phone Instruction to Scan QR Code	I-Phone Instruction to Scan QR Code
Note: Scanning QR Links using an Android Phone may vary. 1. Google to download QR Scanner. Install. 2. Place phone in front of QR Code. Scan.	1. Click on Camera icon. 2. Place phone in front of QR Code. Scan.

Associated Manual/Videos	QR Code	Associated Manual/Videos	QR Code
C-00139 Swing Door Opus Control Wire and Programming Manual		Installing NET-HT Application into the Android	

Associated Manual/Videos	QR Code	Associated Manual/Videos	QR Code
C-00391 Slide Door Opus Control Wire and Programming Manual		Using the Rotary Dial located on the OPUS Control	

Associated Manual/Videos	QR Code	Associated Manual/Videos	QR Code
Licensing the NET-HT Application and connecting to the Android Device		Navigating the NET-HT Application Top Level Screens	

CHAPTER 5: THE UG-A12 BLUETOOTH MODULE

Attention: Bluetooth Module must never be installed inside metal housing. Radio signals will fail to transmit.

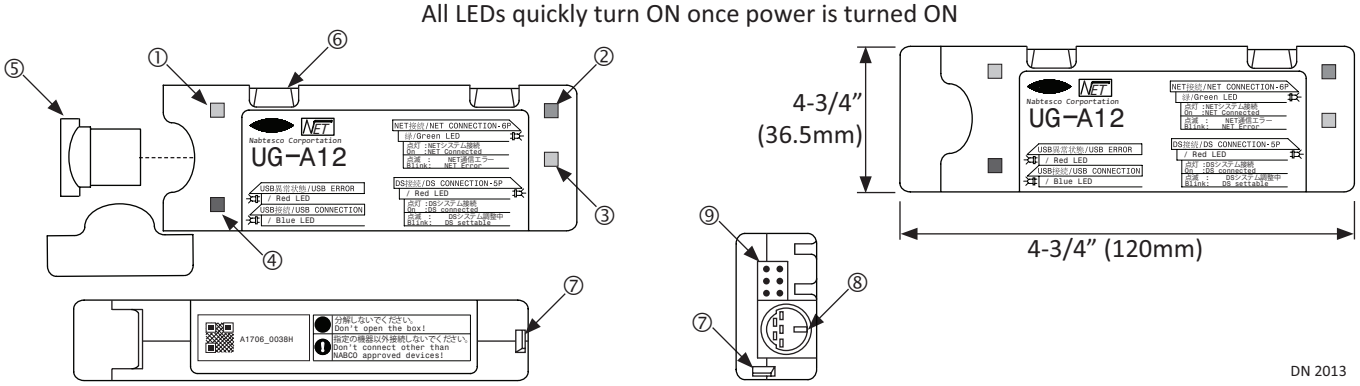
The Bluetooth Module is connected between the Android Device and Control. (1) Bluetooth Dongle is inserted inside the Bluetooth Module to emit USB Radio Signals between them. Some benefits of the Bluetooth Module are:

- The User is allowed to program the Control from the ground without having to repeatedly climb ladders.
- During hot or inclement weather, the installer can program the Control from inside a temperature controlled environment.
- For Clean Room environments, the Bluetooth Module can be permanently connected to the Control before the Header is sealed. The Installer can then set/adjust the Control from the ground.

Note: In the event a Bluetooth Module is permanently installed to a Control, a new Bluetooth Module must be purchased to program other Controls.

SECTION 5.1: UG-A12 Bluetooth Module Components

All LEDs quickly turn ON once power is turned ON



Item	LED		Description
1	Red	Blinking	USB or Bluetooth Dongle communication is in trouble.
2	Green	LED (ON)	Bluetooth module is connected to the Opus control.
		Blinking	Communication error with Opus control.
3	Red	LED (ON)	Bluetooth module is connected to the U series control.
		Blinking	U series control is in setting mode.
4	Blue	LED (ON)	Bluetooth Dongle is seated inside the Bluetooth Module and operational.
		Blinking	USB Radio Signal is connected to the NET-HT Application on Android device and is operational.

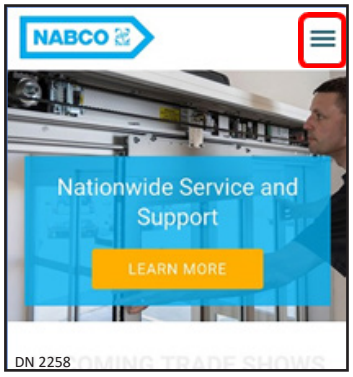
Item	Part	Description
5	Bluetooth Dongle	Provides a USB Radio signal between the NET-HT Application and the Control.
6	(2) Dents on side of Bluetooth Module	Holds Zip Tie straps in place so they do not slip.
7	(2) Holes inside bottom, corner of Bluetooth Module	Allows a Strap to be attached to the Bluetooth Module by inserting through holes.
8	Cable Socket	Port for the U-Series Cable.
9	Cable Socket	Port for the Opus Cable.

CHAPTER 6: INSTALL THE NET-HT APPLICATION TO THE ANDROID DEVICE

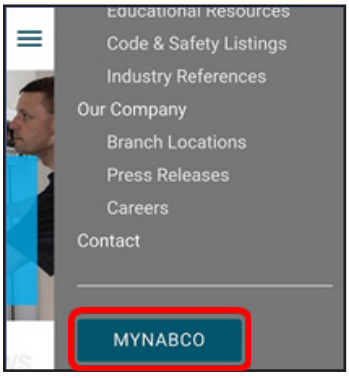
Attention:
- **The User must first transfer the NET-HT Application to the Android Device before requesting a License Number from NABCO.**
- **Please refer to the Android Device owners manual to learn how to transfer NET-HT Application using Bluetooth or SD Card.**

SECTION 6.1: Obtain the NET-HT Application

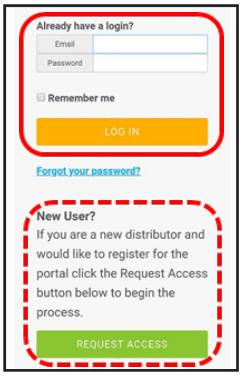
Tap onto the 3 Bar Icon



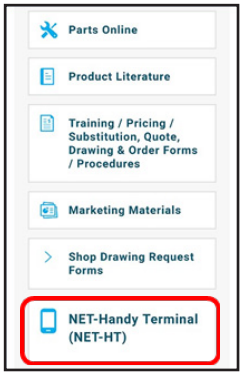
Scroll to tap onto myNABCO icon



Login



Tap onto NET-HT icon

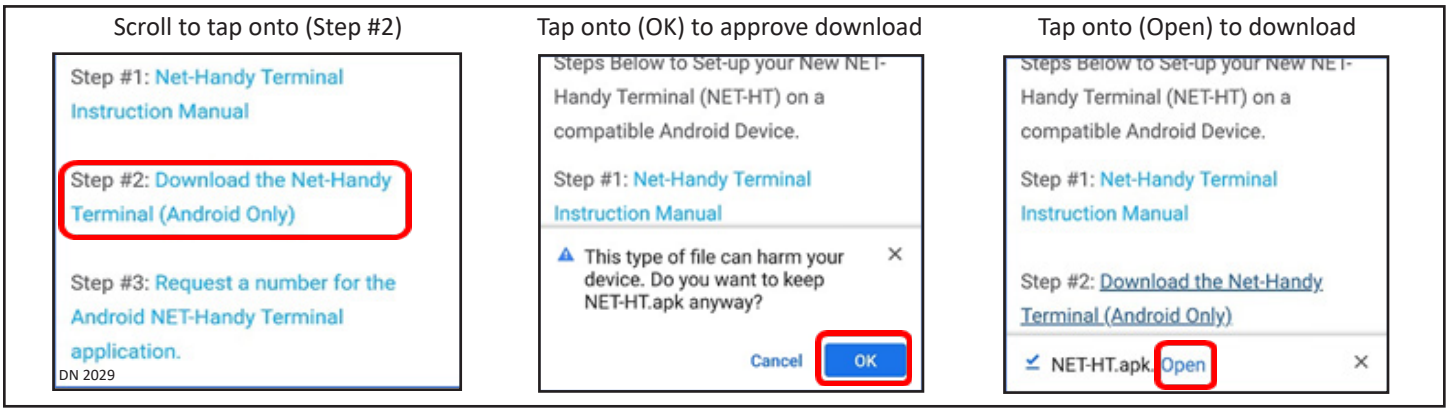


Attention: Please be advised, each Android Device will display different icons and/or different screens.

1. Using an Android Device, open the web page: nabcoentrances.com
2. Go to the upper right corner of screen and tap onto the (3 Bar) Icon. The (Home) screen will automatically display.
3. Scroll to the bottom of the (Home) screen and tap onto the (myNABCO) icon.
4. Login using an assigned User Name and Password.
5. Scroll to tap onto the NET-Handy Terminal (NET-HT) icon.

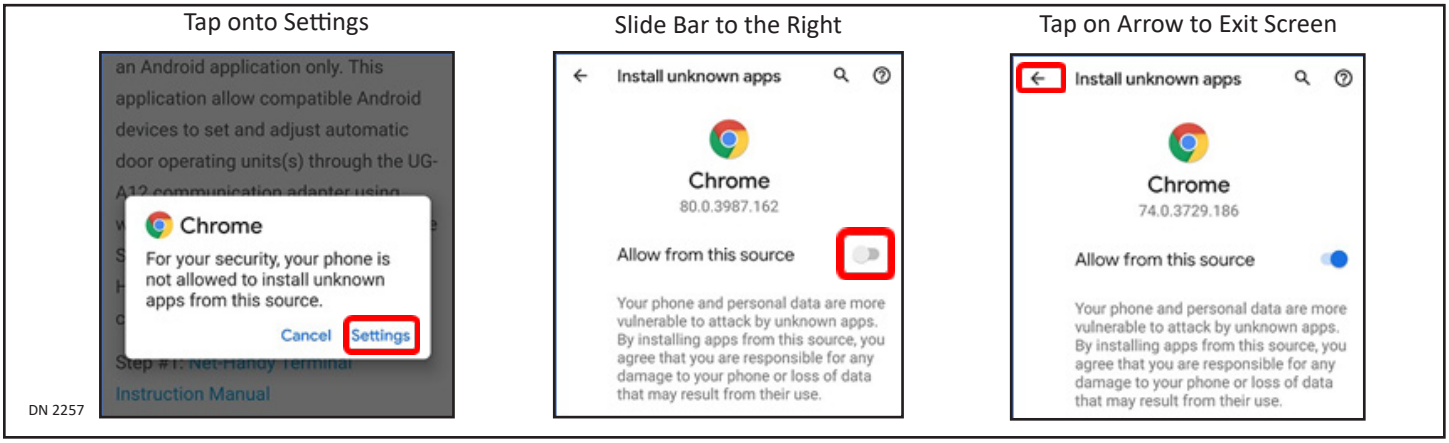
SECTION 6.2: Install the NET-HT Application

6.2.1. Download the NET-HT Application



1. In the NET-Handy Terminal screen tap onto (Step #2: Download the Net-Handy Terminal (Android Only).
2. Tap onto (OK) to allow the download to take place.
3. Tap onto (Open) to open the NET-HT Application.

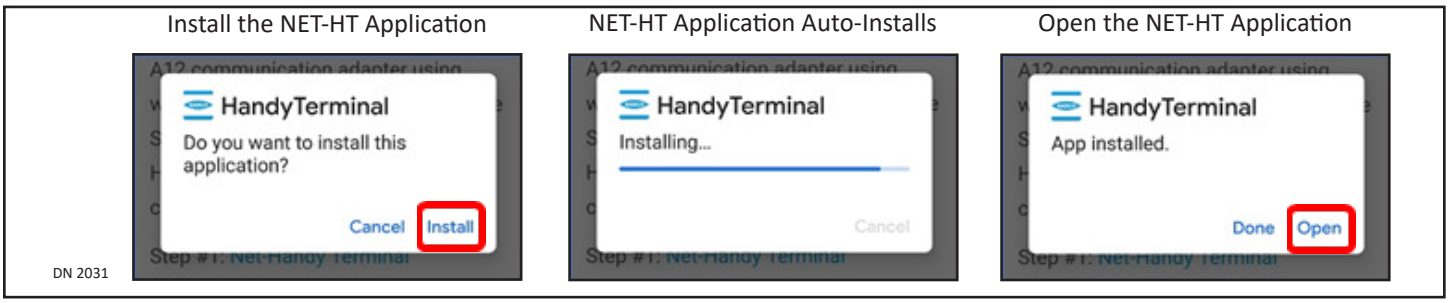
6.2.2. Change the Security Setting to allow Application Download



1. Tap onto the (Settings) icon.
2. Slide the Bar to the Right (ON) to change the security setting to allow Unknown Apps.
   a. It is important to go back into the Settings screen to slide the Bar to the Left (OFF) once the download takes place.
3. Tap onto the Back Arrow to exit the Settings screen.

6.2.3. Install the NET-HT Application

1. Tap onto the (Install) Icon to install the NET-HT Application.
   a. The NET-HT Application automatically installs.
2. Open the Application.
3. Save Application onto Android Device



CHAPTER 7: SETUP AND ACTIVATE THE NET-HT APPLICATION

Attention:

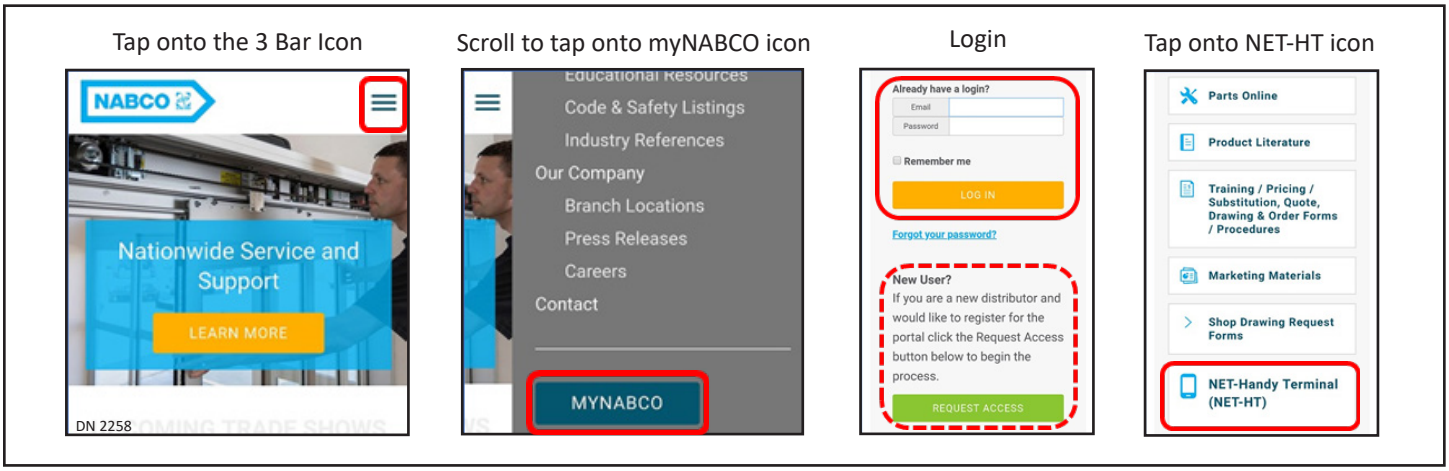
- **As of October 2019 the Common Key ID for the United States, and Canada is now (15). Before October 2019, the Common Key ID was (20). It will not be necessary to change the Common Key ID (from 20 to 15) until the original License Code expires. The Common Key ID for Japan, is (20).**
- **At least (2) days are needed before a License Number can be emailed to the Requestor.**

Note: The Android Device will always display the Licensing screen as a default, until a License Number has been assigned.

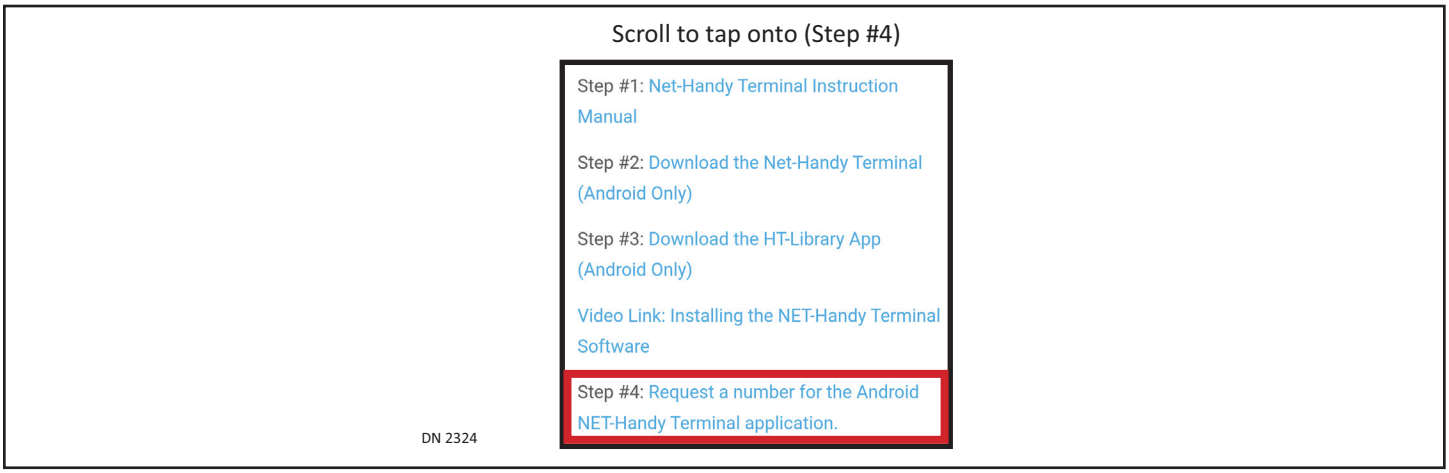
SECTION 7.1: Obtain the Authentication Number

1. Tap onto the arrow located to the right of the (Common key ID#). A popup window will display. Tap onto: 15 → NEXT
   a. The Common Key ID will automatically activate.
   b. An Authentication Number will display. Tap the number to copy it.
2. Copy the Authentication Number down to be entered onto the License application form.

SECTION 7.2: Request a License Number

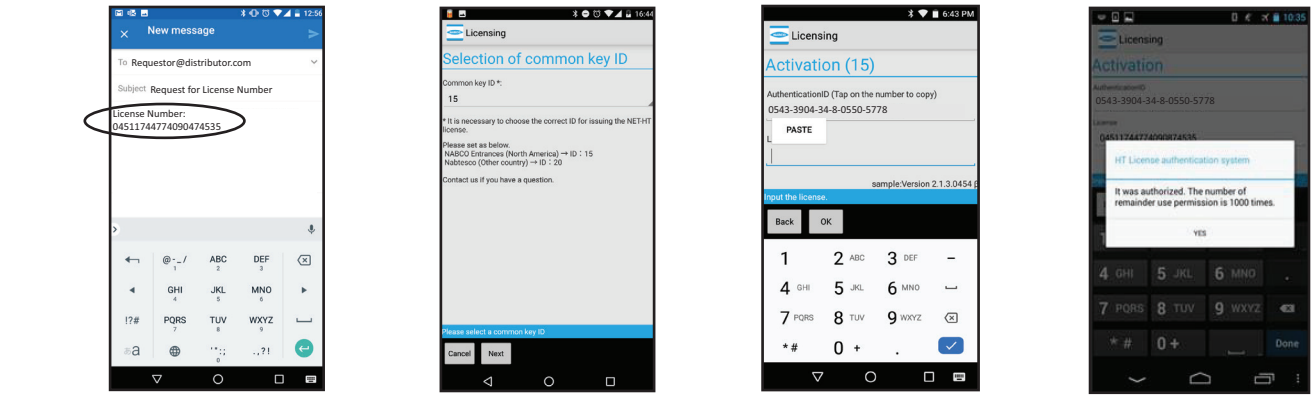


1. Using an Android Device, open the web page: nabcoentrances.com
2. Go to the upper right corner of screen and tap onto the (3 Bar) Icon. The (Home) screen will automatically display.
3. Scroll to the bottom of the (Home) screen and tap onto the (myNABCO) icon.
4. Login using an assigned User Name and Password.
5. Scroll to tap onto the NET-Handy Terminal (NET-HT) icon.
6. Click onto Step #4 (Request a number for the Android NET-Handy Terminal application).
7. Fill out the application Form to include the Authentication Number.
8. Submit.
   a. A License number will be emailed within 2 business days.



SECTION 7.3: Enter the License Number

1. Open the reply email message. Select the assigned License Number.
2. Tap onto the Menu Bar located at the very top of the Android Device. A popup window will appear with options to choose from. Tap onto: COPY
3. Open the NET-HT Application.
4. Tap onto: 15 → Paste
   a. The License Number will display including an Authentication pop-up window.
5. Acknowledge the authorization of the License Number. Tap onto: Yes.



Copy new License Number from Email

Tap onto 15 Field (Common Key ID)

Paste License Number into License Field

License Number is authorized

SECTION 7.4: Renew a License Number

Attention:
- **At least (2) days are needed before a License Number can be emailed to the Requestor.**
- **In the event a User fails to request a new License Number before the usage countdown reaches (0), the User will be locked out of the NET-HT Application.**

The NET-HT Application can only be opened for a pre-assigned number of times (for example: 1000 times). In the event the User only has (50) times left to enter the NET-HT Application, a dialog box will prompt the User to apply for a new License until:

▶ A new License Number is entered. ▶ There are (0) times left.

1. Please refer to SECTION 7.2 and SECTION 7.3.

CHAPTER 8: CONNECT/DISCONNECT THE UG-A12 FROM THE CONTROL

SECTION 8.1: U-Series Control

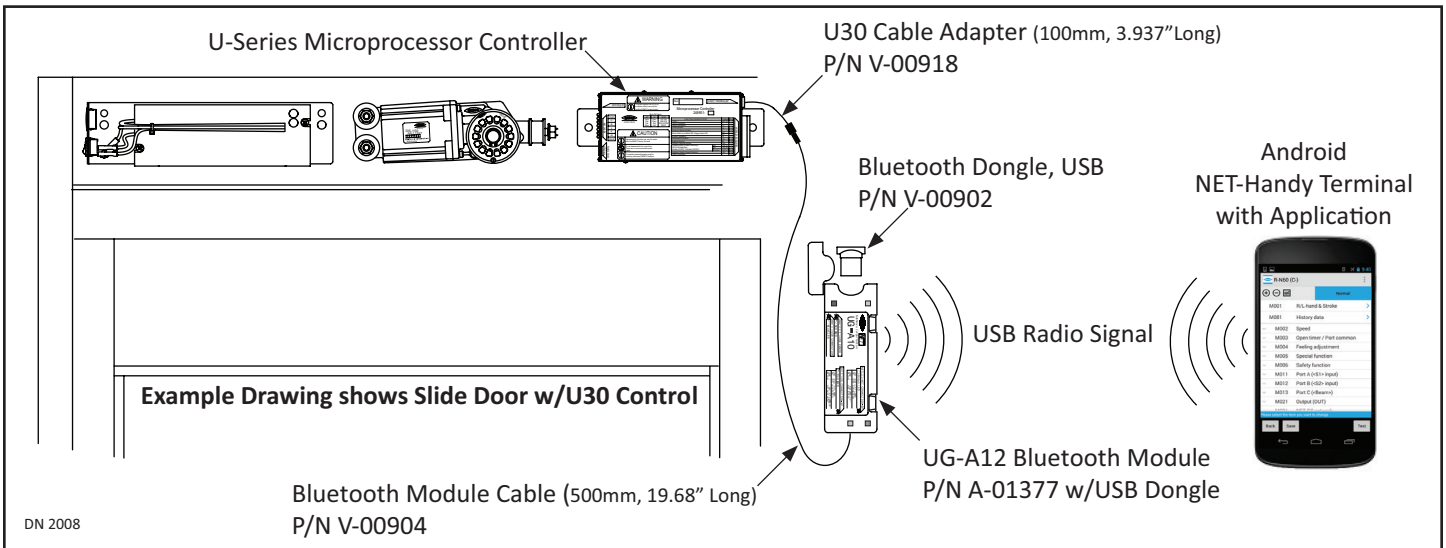


Figure 1 Connect the UG-A12 to the U-Series Microprocessor Control

8.1.1. Connect

CAUTION **Turn OFF the Opus Control before plugging the Opus Cable into the Jack for GT-1175 Opus Slider.**

1. Connect the U30 Cable Adapter to the Bluetooth Module Cable.
   1. Gently turn the socket clockwise, until multiple prongs inside the Plug insert inside the Socket.
   2. Push the black, rubber end of the Plug toward the Socket until a click is heard, indicating a secure connection.

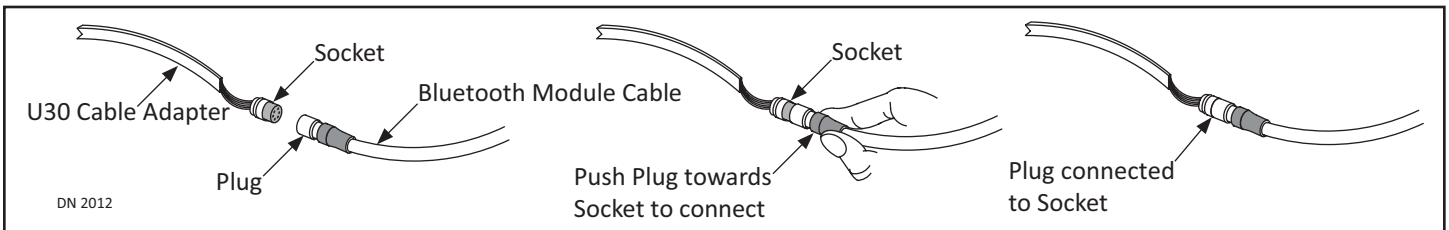


Table 1 Connect the Handy Terminal Cable to the U-Series Programming Cable

2. Go to the U-Series Control. Plug the U30 Cable Adapter into the Telephone Jack located on the upper, right side.
3. Go to the Bluetooth Module. Plug the Bluetooth Module Cable into the Socket located at the bottom.
   a. Blue LED will turn ON indicating the USB Radio Signal is waiting to be paired with the NET-HT Application.
   b. Red LED will turn ON indicating a successful connection to the U-Series Control has been made.
4. Program the U-Series Control according to the NET-HT Setup and Programming Manual; P/N C-00354.

NOTE: Example shown is the U30 Controller and Harness. The U19 Controller and Harness is connected the same way.

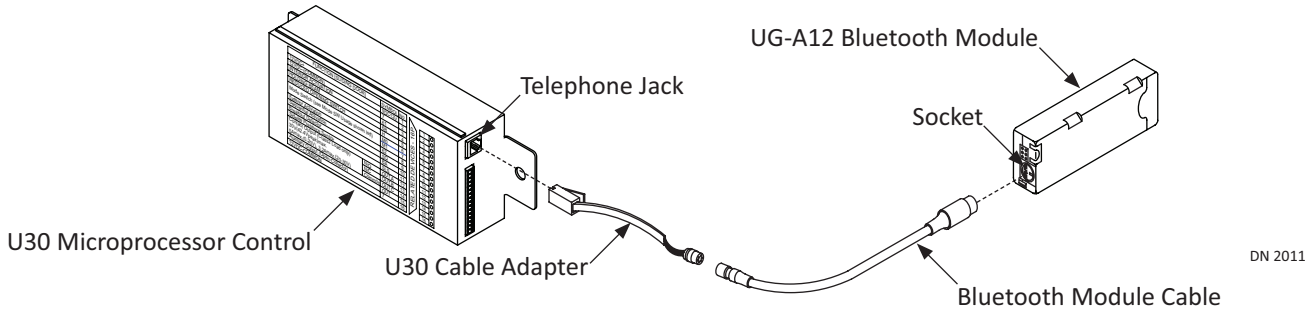


Table 2 Connect the U-Series-HT Harness to the Handy Terminal Cable

8.1.2. Disconnect

CAUTION **Do Not disconnect until all settings are complete. Disconnecting the Bluetooth Module from the Control is the very last thing done.**

Attention: Wait at least (10) seconds before disconnecting any cables to allow newly set Values to complete. If power to the U-Series Control needs to be turned OFF, wait (20) seconds for settings to establish.

1. Once all updated values have been entered into the U-Series Control, check to ensure LEDs on the U-Series Control are no longer Lit/Blinking. A Lit/Blinking LED could indicate that the U-Series Control is still in the process of saving a value.
   - ▶ Wait (10) seconds before disconnecting the U30 Cable Adapter.
   - ▶ Wait (20) seconds if the U-Series Control needs to be turned OFF.
2. Disconnect the U30 Cable Adapter from the U-Series Control.
3. Unplug the Module Bluetooth Cable from the Bluetooth Module.
4. Slide the metal sleeve back from the Bluetooth Module Cable and pull out the U30 Cable Adapter. Failure to pull the metal sleeve back could cause damage to the Connectors.

SECTION 8.2: Opus Control

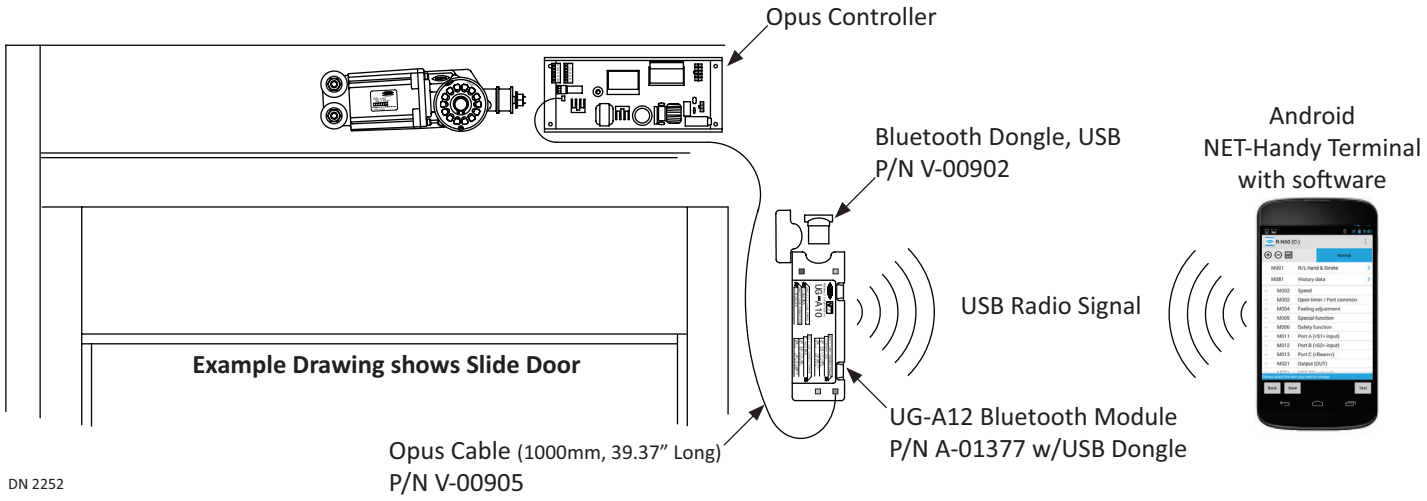


Figure 2 Connect the UG-A12 to the Opus Control

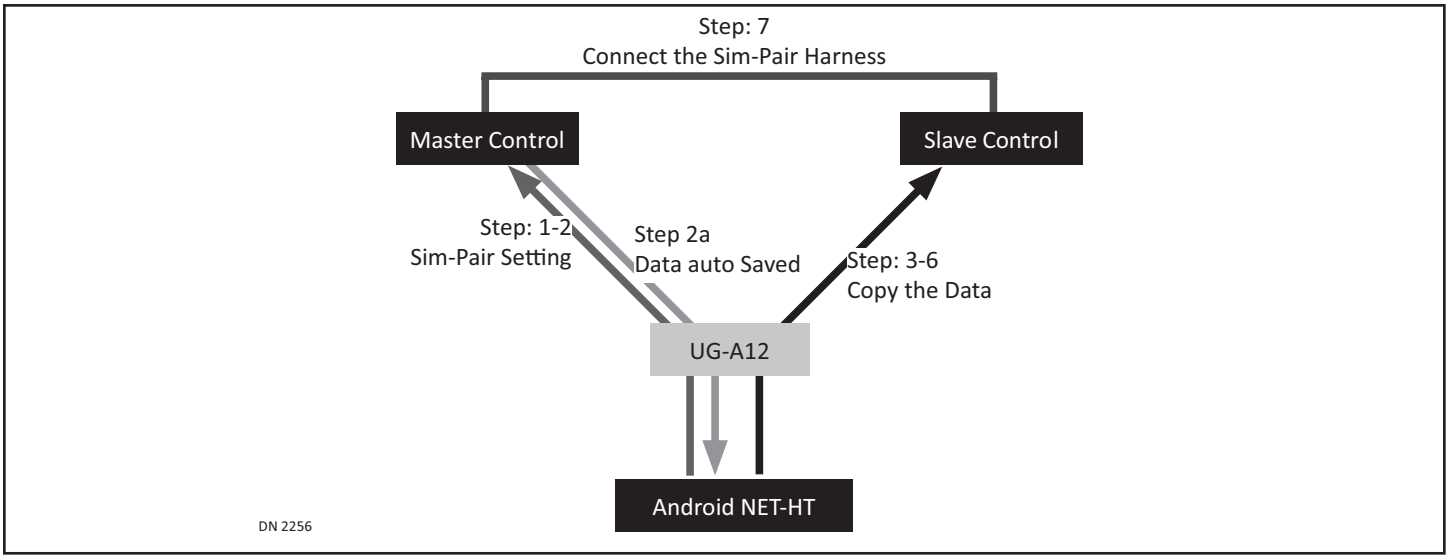
8.2.1. Connect

1. Go to the Opus Control.
2. Turn power OFF. Plug the Opus Cable into the Socket located on the far left side, in the middle. Turn power back ON.
3. Go to the Bluetooth Module. Plug the Opus Cable into the Socket located at the bottom.
4. Program the Opus Control according to the Opus Wire and Programming Manual, P/N C-00139.

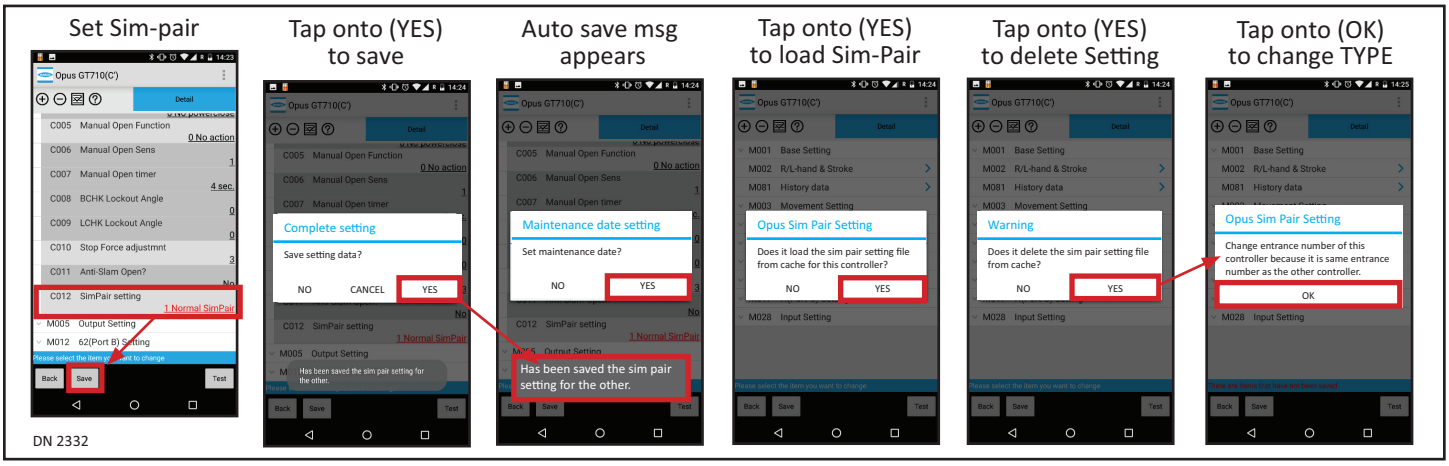
8.2.2. Disconnect

1. Disconnect wiring after all updated values have been entered into the Opus Control.

SECTION 8.3: Simultaneous Pair

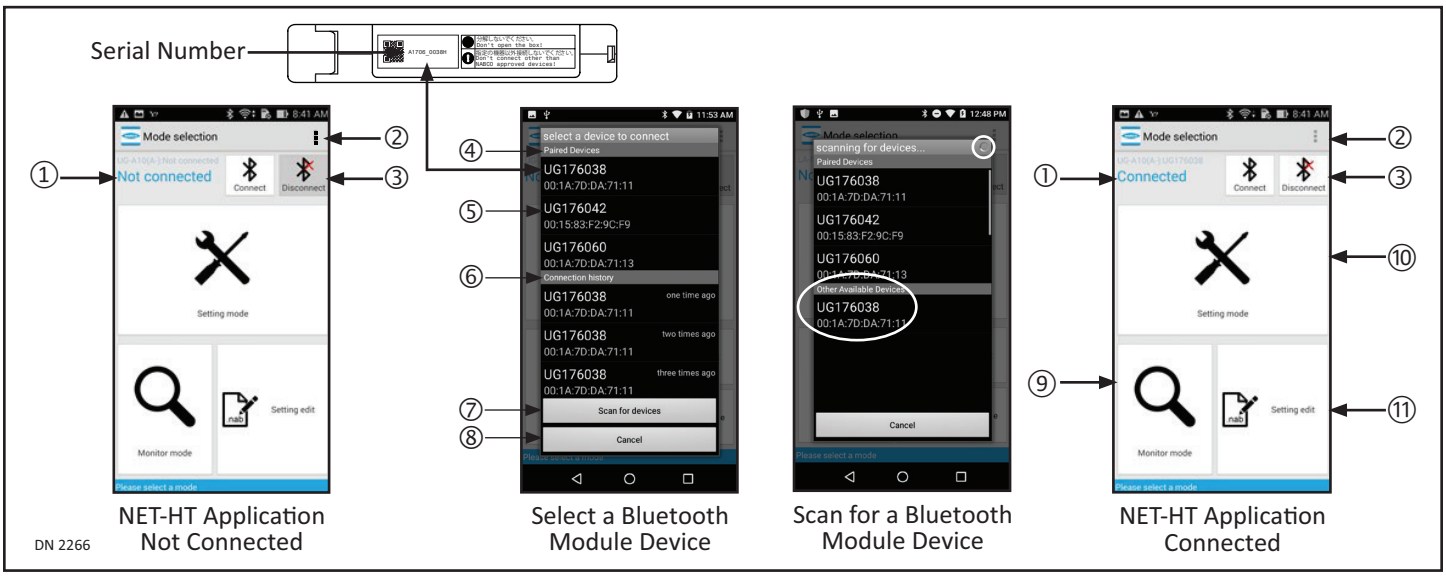


1. Go to the Master Control that is connected to activation devices.
2. Select Sim-Pair from Optional Setting screen. Sim-Pair will be automatically saved.
3. Go to the Slave Control that is not connected to activation devices.
4. Tap onto (YES) to copy setting from the Master Control.
5. Tap onto (OK) to automatically change the TYPE.
6. Disconnect UG-A12 Bluetooth Module.
7. Connect the Sim-Pair Harness between the Slave Control the Master Control.



CHAPTER 9: CONNECT/DISCONNECT BLUETOOTH MODULE FROM NET-HT APP

1. Go to the Bluetooth Module. Locate and then copy the Serial Number listed on the side.
2. Go to the Android Device. Click on the NET-HT Application Icon to open. Tap onto (Connect).
3. Tap onto the Serial Number that most closely matches the Bluetooth Module serial number.
4. Tap onto (Scan for Devices).
   a. The MODE SELECTION Screen will display, indicating that the NET-HT Application successfully connected to the Bluetooth Module.
   b. The Blue LED will start to blink, indicating that the Bluetooth Dongle is ready to send/receive USB Radio Signals.



DN 2266

NET-HT Application Not Connected | Select a Bluetooth Module Device | Scan for a Bluetooth Module Device | NET-HT Application Connected

Item	Mode	Description	
1	Connection Status	Displays status of connection mode (Connected/Not Connected) with the Bluetooth Module.	
2	Menu Bar	Opens sub-screens related to the Mode Selection screen.	
3	Connect/Disconnect	Displays the status connection with the Connects or disconnects to the Bluetooth Module.	
		Not Connected	▶ No connection between the Bluetooth Module and the NET-HT Application. ▶ The Blue LED does Not blink.
		Connected	▶ Connection was made between the Bluetooth Module and NET-HT Application. ▶ The Blue LED will blink.
4	Paired Devices	▶ Displays a list of Bluetooth Modules that are PAIRED to the NET-HT Application and can be selected for programming purposes. ▶ Not all Bluetooth Modules are compatible with a NET-HT Application and may not be displayed within the “Paired Devices” screen.	
5	Serial Numbers	Select the serial number that is the closest match to the Bluetooth Module currently in use.	
6	Connection History	Displays up to three connections of Bluetooth Modules that have been connected in the past. Tap onto “Scan for Devices” to hide the Connection for History list.	
7	Scan for Devices	▶ Refreshes the screen by scanning for nearby Bluetooth Modules that are currently in use. ▶ If the Bluetooth Module’s serial number that is currently in use, does not display after refreshing the screen, check the connections.	
		Progress Bar	Spools then stops indicating that scanning is complete.
		Scan Screen	Searches for Bluetooth Modules that are compatible for Pairing. The NET-HT Application needs to be rebooted before the new Bluetooth Module can display in the “Paired Devices” screen.
8	Cancel	Brings the user back to the Mode Selection Page without saving.	
9	Monitor Mode	Monitors the operating condition of NET-HT system, and verifies strength of the USB Radio signal.	
10	Setting Mode	Enter Setting Mode to update Settings for Automatic Door System.	
11	Setting Edit	Displays a list of connected Bluetooth Modules with assigned ID numbers.	

CHAPTER 10: “SETTING MODE” SCREEN

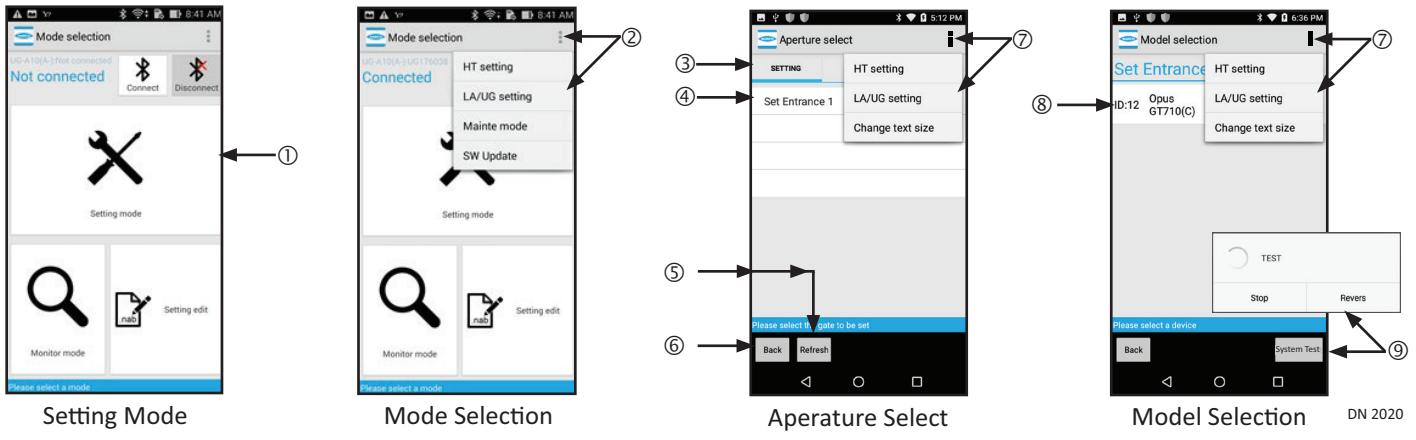
Attention: Each Android Device will display different icons and/or different screens. All Images are examples.

Attention: To program a Control with appropriate settings/adjustments, please refer to the Swing Door Opus Wiring and Programming Manual; P/N C-00139 - or - the Slide Door Opus Wiring and Programming Manual; P/N C-00391.

SECTION 10.1: Navigating "Setting Mode" Screens

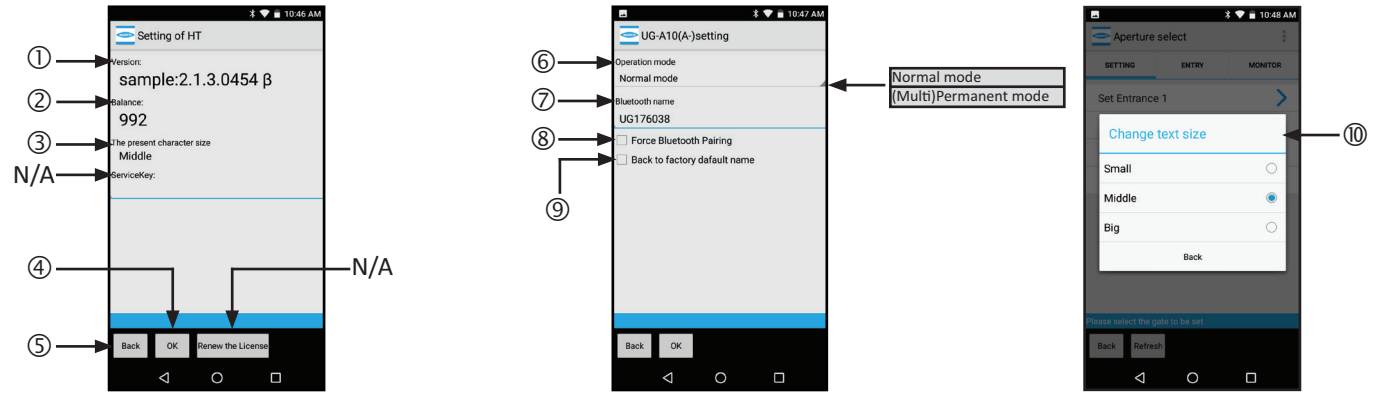
1. Tap onto the Setting Mode field to open the Aperture Select screen → Tap onto: Set Entrance → Model Name of Control.
   a. No more than (4) Model Names can be listed at the same time.
2. Navigate through main screens and subscreens while referring to the Opus Wiring and Programming Manual P/N C-00139.
3. Tap onto the appropriate Model Name of Control → Associated Settings and Adjustments will display.
4. Tap onto a (Function) category that needs to be updated → A hierarchy level(s)_ will drop down displaying Value options.
5. When programming is complete, Test or Save the settings/adjustments.
   a. Testing can be done before Saving. Tap onto the Cancel Icon to cancel all updated settings/adjustments.

SECTION 10.2: Setting Mode Main Screens



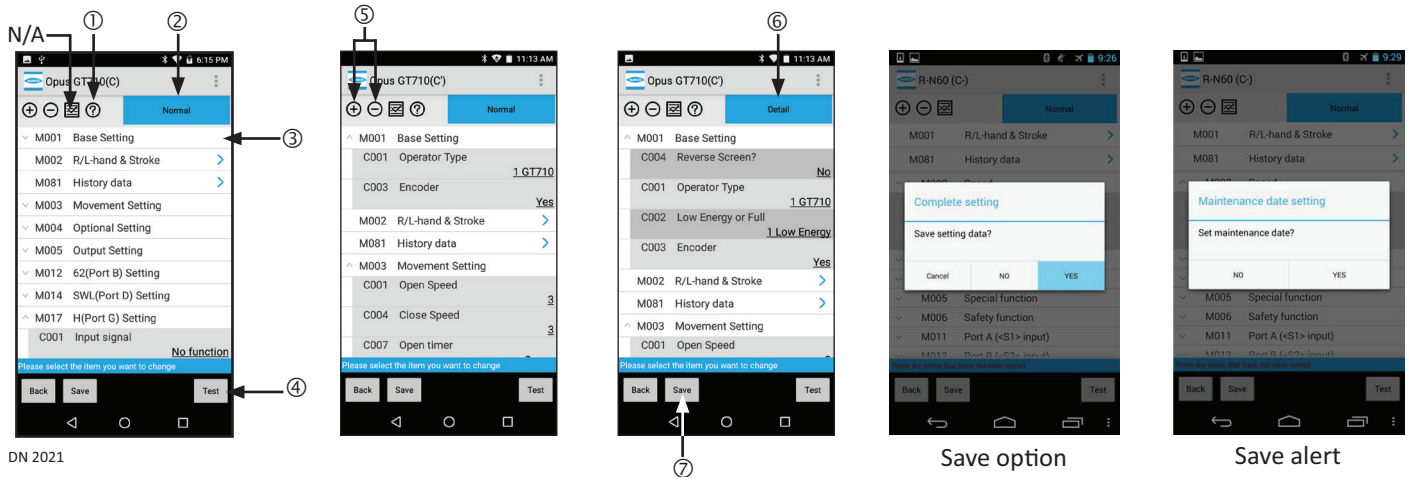
Item	Mode	Description	
1	Setting Mode	Enter Setting Mode to update Settings for Automatic Door System.	
		When Programming the U-Series Control; only "Setting Mode" is used.	
2	Mode Selection Menu Bar	Opens sub-screens related to the Mode Selection screen.	
		HT Setting	Lists NET-HT Application information.
		LA/UG setting	Lists connection information to the UG-A12.
		Maint mode	Non-Applicable
3	Menu Tabs	Highlights which Mode Screen is open during the programming process.	
4	Set Entrance	Used to select which Control is to be programmed.	
5	Refresh	Reboots Screen to display a previously entered setting, or displays more current information.	
6	Back	Allows User to Go back (1) screen while the device(s) on the list go back to normal operation.	
7	Aperture Select and Model Selection	Opens sub-screens related to the Aperture Select and Model Selection screens.	
		HT Setting	Lists NET-HT Application information.
		LA/UG setting	Lists connection information to the UG-A12.
		Change Text Size	Changes Font Size on the Android NET-HT (Small, Middle, Big). The new Font size setting will remain even after the NET-HT Application is turned OFF.
8	ID for Door Type/ Control Model	An ID is assigned to each Door Type/Control Model. For Example: **ID:12** for a GT710 Type of door, using an Opus Control.	
9	System Test	Automatically tests the operation of door during the programming setup process.	
		Reverse	The door in closing operation will reverse to open.
		Stop	The door will stop and test operation is cancelled.

SECTION 10.3: Setting Mode Sub Screens



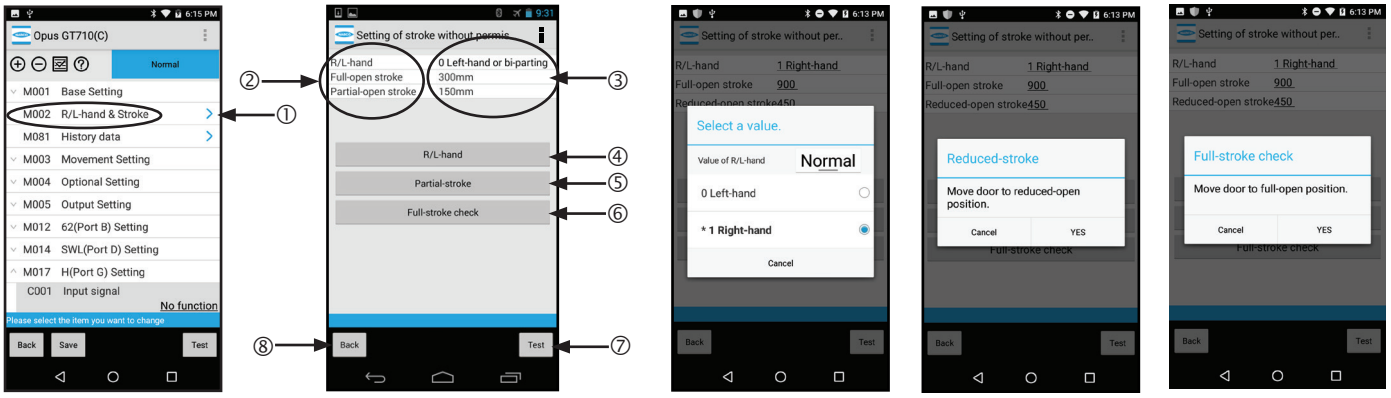
Item	Mode	Description	
1	Version	Displays NET-HT Application version.	
2	Balance	Displays how many times the NET_HT Application can be opened before expiring.	
3	Character Size	Changes Font Size on the Android NET-HT (Small, Middle, Big).	
4	OK	Return to previous screen saving updated values.	
5	Back	Return to previous screen without saving updated values.	
6	Operation Mode	Displays whether the NET-HT is used for multiple Controls or permanently used for one.	
		Normal Mode	Normal for temporary use of the current Bluetooth Module (Used to program multiple Controls)
		(Multi) Permanent Mode	(Multi) Permanent Mode for when the Bluetooth Module is permanently installed inside Header
7	Bluetooth Name	Lists the current Bluetooth Module Serial Number. The Bluetooth Module Serial Number can be changed by entering (8) characters or less that can be alphabet, numbers, underscore, and hyphen (single-byte alphanumeric characters only). Tap onto the (Bluetooth Name) field to display the keyboard.	
8	Force Bluetooth Pairing	Tap onto the box to force the Android NET-HT to connect a UG-A12.	
9	Back to factory default name	To revert back to the Bluetooth Module default name Tap onto: the box → OK	
10	Change Text Size	Changes Font Size on the Android NET-HT (Small, Middle, Big). The new Font size setting will remain even after the NET-HT Application is turned OFF.	

SECTION 10.4: Control Programming Main Screen



Item	Icon	Description	
1	Question Icon	Pop-up will ask the User to select the Item needing change. Once the User taps on the item needing change, the screen will auto expand related options. No other screen item will expand. ▶ Do not let the Question Mark stay Green. Tap onto the Question Mark to turn OFF auto expand. ▶ U-series Controls do not use this option.	
2	Normal	Displays Function Categories that may, or may not have detailed information nested within. If a function does not have a detailed information: ▶ Tapping onto the Normal/Detail button causes no change. ▶ The Button's background will turn from blue to gray.	
3	Function Categories	Tap onto a various Function Category to adjust the settings within that group.	
4	Test	Tap onto Test to cycle door and observe current settings/adjustments before saving.	
5	Plus/Minus Tabs	Plus	Expands all Function Categories (1) Hierarchy Level
		Minus	Collapses all Hierarchy levels at same time
6	Detail	Expands Function Categories that have detailed information nested within; (2) Hierarchy Levels.	
7	Save	Saves all programming. When Save is complete a message will display: Complete Successfully	
		Save Option	Yes: to save updated programming and finish Setting. ▶ No: to return to NET-HT Application Setting Mode screen. ▶ Cancel: to close Save Popup and return to the Programming screen.
		Save Alert	NET-HT Application maintenance date (year/month/day/time) does not match the Android NET-HT maintenance date. Select Yes to update the Android NET-HT maintenance date.

SECTION 10.5: Setting Stroke and R/L-hand Setting (Opus Control only)

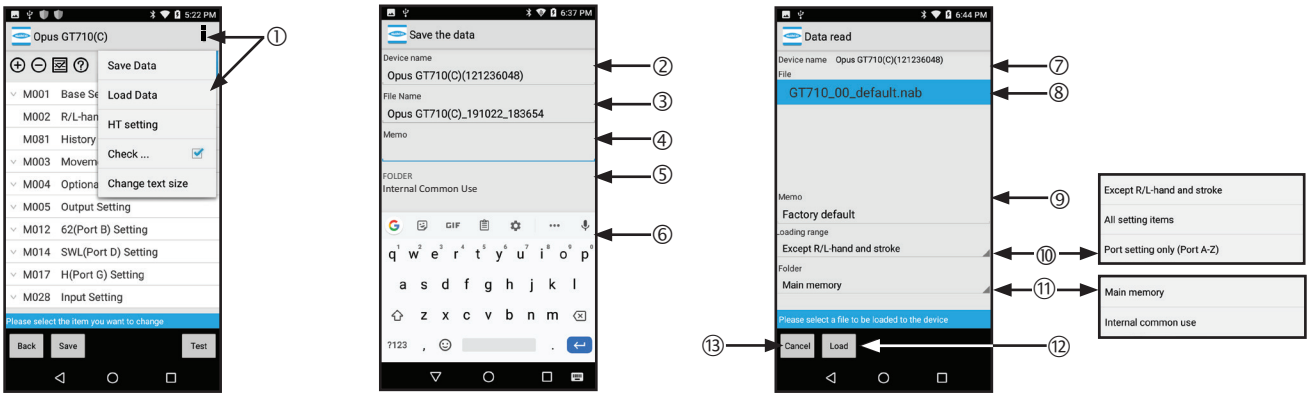


DN 2253

Stroke and R/L-hand Setting | R/L-hand Setting | Partial Stroke | Full-Stroke Check

Item	Mode	Description		
1	R/L-hand & Stroke	Moves forward to change/confirm Handing and Stroke.		
		Item	**Mode**	**Description**
		2	Setting Items	Displays list of Setting Items that can be updated
		3	Values	Displays the current Value for each Setting Item
		4	R/L-hand	Select Left-Hand (bi-parting) or Right Hand
		5	Partial Stroke	Select this option and then Yes
		6	Full Stroke check	Select this option and then Yes
7	Test	Tap onto Test to cycle door and observe current settings/adjustments before saving.		
8	Back	Allows User to Go back (1) screen while the device(s) on the list go back to normal operation.		

SECTION 10.6: Control Programming Sub Screens



Item	Mode	Description
1	SubMenu	Opens sub-menus related to the Programming screen.

Sub Menu	Description
Save Data	Saves all current updates. Saved data stored in the NET-HT Application can be saved/loaded onto a shared internal device (such as a SD Card), and then shared/transferred to another Android.

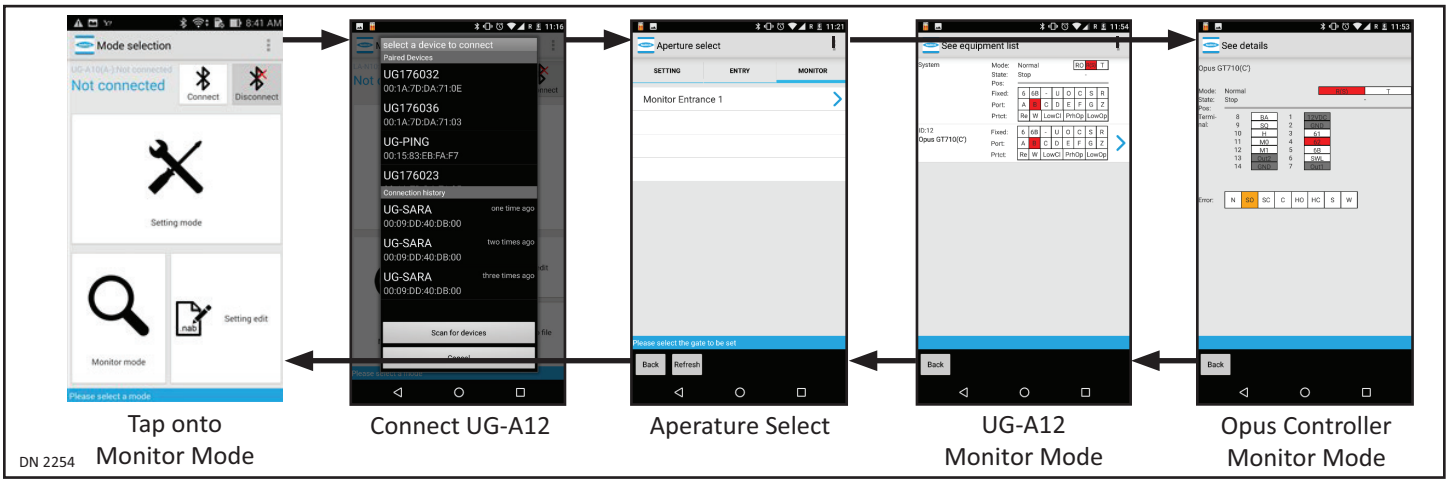
Item	Mode	Description
2	Device Name	Model name and number of Control
3	File Name	Name of file is the Control name, date, and the exact time SAVED DATA was tapped on. For example: 180507_155401 - is - May 7, 2018 at 3:54:01 p.m. (155401 is military time)
4	Memo	▶ Fill in Memo to write a comment for the file. Do Not write important information including personal information. ▶ When saving data, it is recommended to assign a unique name. The name can be changed.
5	Folder: Main Memory	Initializes a device to the default setting or preset settings loaded from Main memory folder.
	Folder: Internal Common Use	Changes the device setting to the saved settings or transferred settings loaded from “Internal sharing” folder.
6	Keyboard	Tap onto Memo field and the keyboard will automatically be displayed.

Sub Menu	Description
Load Data	Initializes a default setting or preset settings loaded from “Main memory” folder. Also changes setting to saved settings or transferred settings loaded from “Internal sharing” folder.

Item	Mode	Description
7	Device Name	Control model name and number
8	File Name	Name of file is the Control name, date, and the exact time SAVED DATA was tapped on. For example: 180507_155401 - is - May 7, 2018 at 3:54:01 p.m. (155401 is military time).
9	Memo	When saving data it is recommended to assign a unique name. The name can be changed.
10	Loading Range (options)	▶ Keeps certain setting items listed from loading to file. For example: Except R/L-hand and stroke. ▶ Loads all setting items to File. ▶ Loads only items that were set using the “Port”settings listed within the main programming screen. ▶ U-series Controls do not use Loading Range.

		Sub Menu	Item	Mode	Description
		Load Data	11	Main Memory	Initializes a device to the default setting or preset settings loaded from Main memory folder.
				Internal Common Use	Changes the device setting to the saved settings or transferred settings loaded from “Internal sharing” folder.
			12	Load	Loads Data
			13	Cancel	Cancels Data
		HT Setting	Lists NET-HT Application information.		
		Check...	Checking this box will display all changed settings and adjustments made from factory default in Red text. Checking this box will only indicate settings that currently deviate from factory settings.		
		Text Size	Changes Font Size on the Android NET-HT (Small, Middle, Big). The new Font size setting will remain even after the Android NET-HT is turned OFF.		

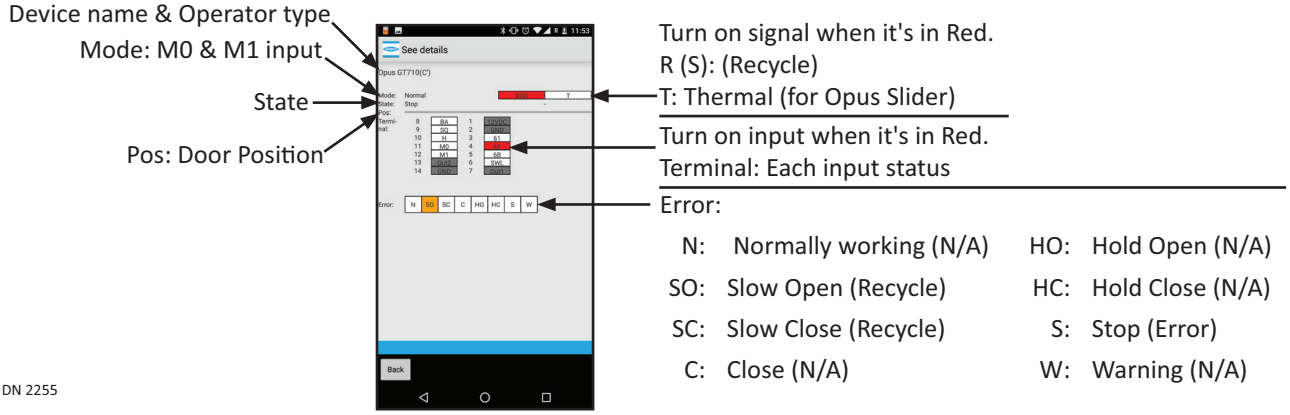
CHAPTER 11: NAVIGATING “MONITOR MODE” SCREENS



Attention: U-Series Controls Do Not use the Monitor Mode screen.

Note: The NET-HT Application is a wireless connection, allowing the Opus Control to be remotely monitored even with the Header Cover closed.

1. Tap onto: Monitor Mode → Serial Number that is closest to the Bluetooth Module → appropriate Monitor Entrance.
   a. The (See Equipment List) will automatically be skipped for the (See Details) screen to display.
2. Review the Monitor Mode for the Opus Control. Such as: status, input, and/or any other information that can normally be viewed on the Opus Control monitor screen.

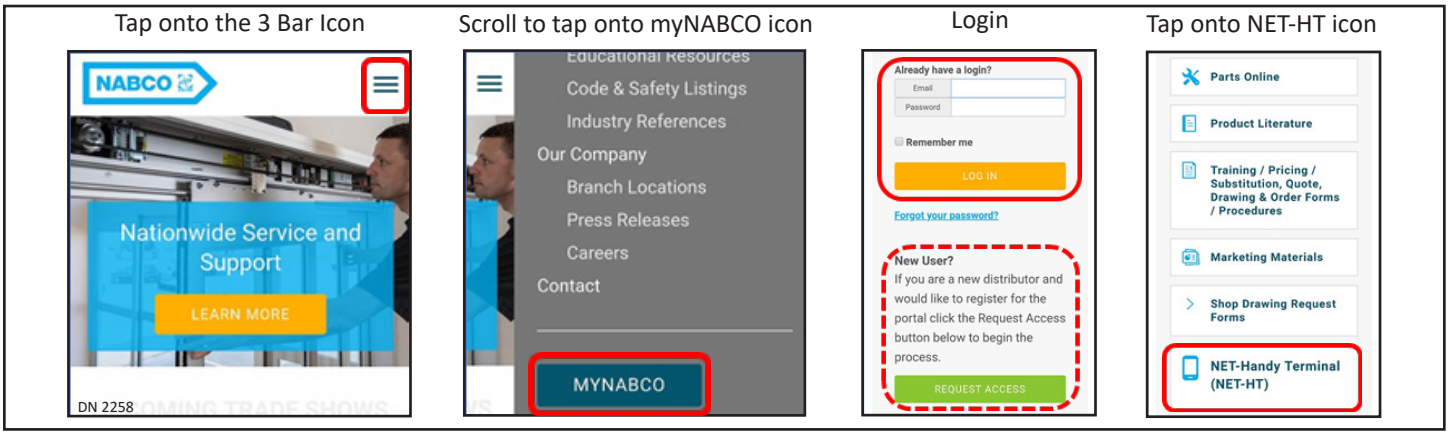


CHAPTER 12: OPUS SOFTWARE UPDATE

Attention:

- **This Opus Software update is for (Revision D:27 or later); and is partially managed by an HT-LIB Application.**
- **Download the HT-LIB Application from the WebSite, then install. This step must be done first.**
- **Repeat the Download/Install steps until the Update is successful. Otherwise the Opus software will not work.**

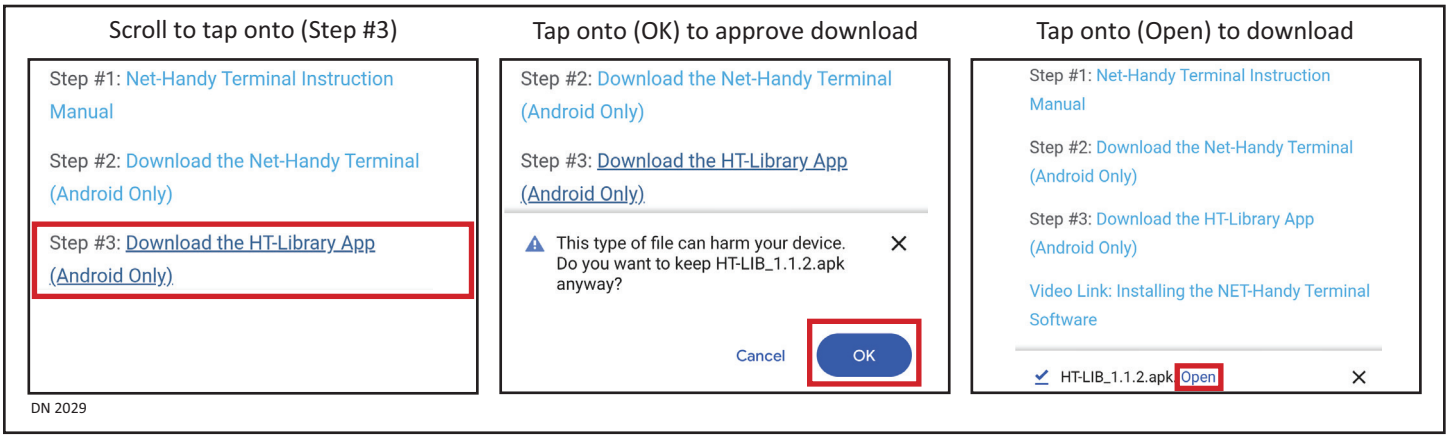
SECTION 12.1: Obtain the HT-LIB Application



1. Using an Android Device, open the web page: nabcoentrances.com
2. Go to the upper right corner of screen and tap onto the (3 Bar) Icon. The (Home) screen will automatically display.
3. Scroll to the bottom of the (Home) screen and tap onto the (myNABCO) icon.
4. Login using an assigned User Name and Password.
5. Scroll to tap onto the NET-Handy Terminal (NET-HT) icon.

SECTION 12.2: Install the HT-LIB Application

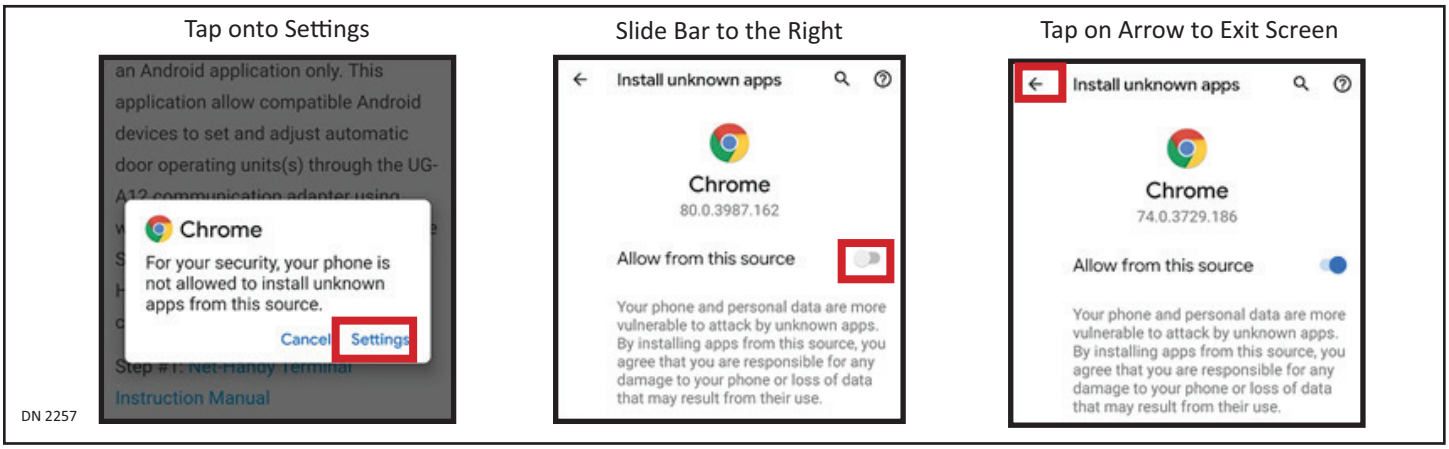
12.2.1. Download the HT-LIB Application



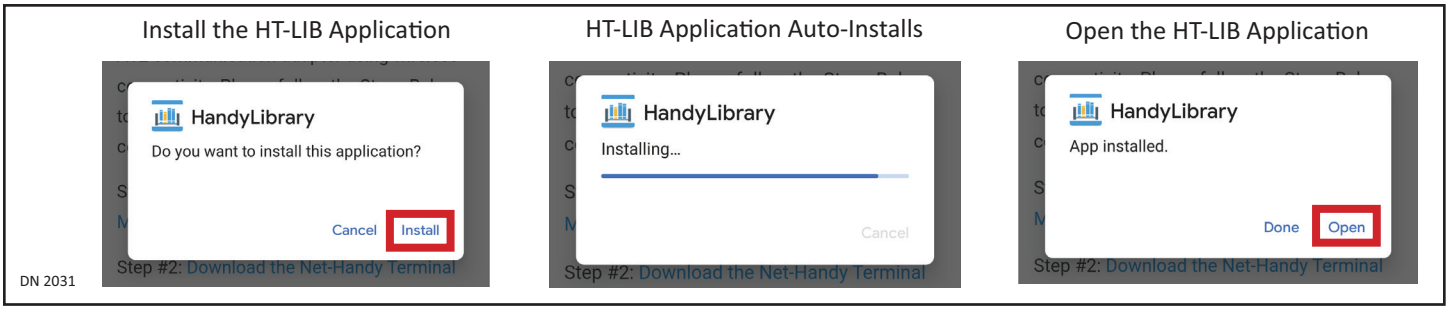
1. In the NET-Handy Terminal screen tap onto (Step 3 (Android Only).
2. Tap onto (OK) to allow the download to take place.
3. Tap onto (Open) to open the NET-HT Application.

12.2.2. Change the Security Setting to allow Application Download

1. Tap onto the (Settings) icon.
2. Slide the Bar to the Right (ON) to change the security setting to allow Unknown Apps.
   a. It is important to go back into the Settings screen to slide the Bar to the Left (OFF) once the download takes place.
3. Tap onto the Back Arrow to exit the Settings screen.



12.2.3. Install the HT-LIB Application



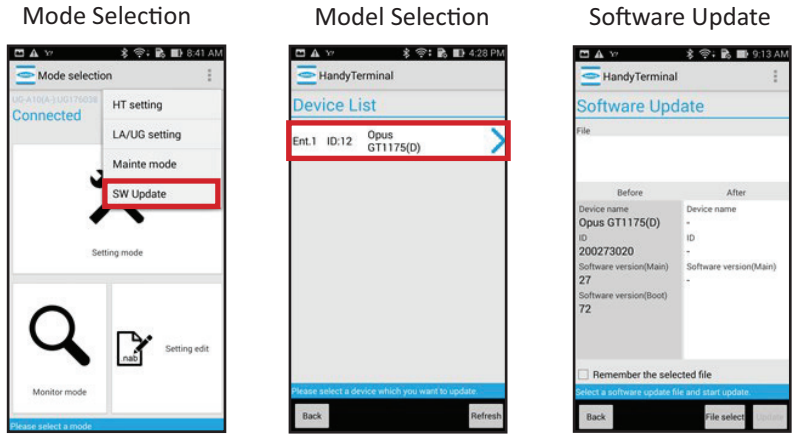
1. Tap onto the (Install) Icon to install the HT-LIB Application.
   a. The HT-LIB Application automatically installs.
2. Open the Application. Save Application onto Android Device

SECTION 12.3: MOVE UPDATE SOFTWARE TO UPDATE SCREEN

There are (2) ways to display the Software Update screen via: Programming Screen, OR Selection Menu. If the Software update fails, utilizing the Selection Menu is the only way to display the Software Update screen.

12.3.1. Programming Screen

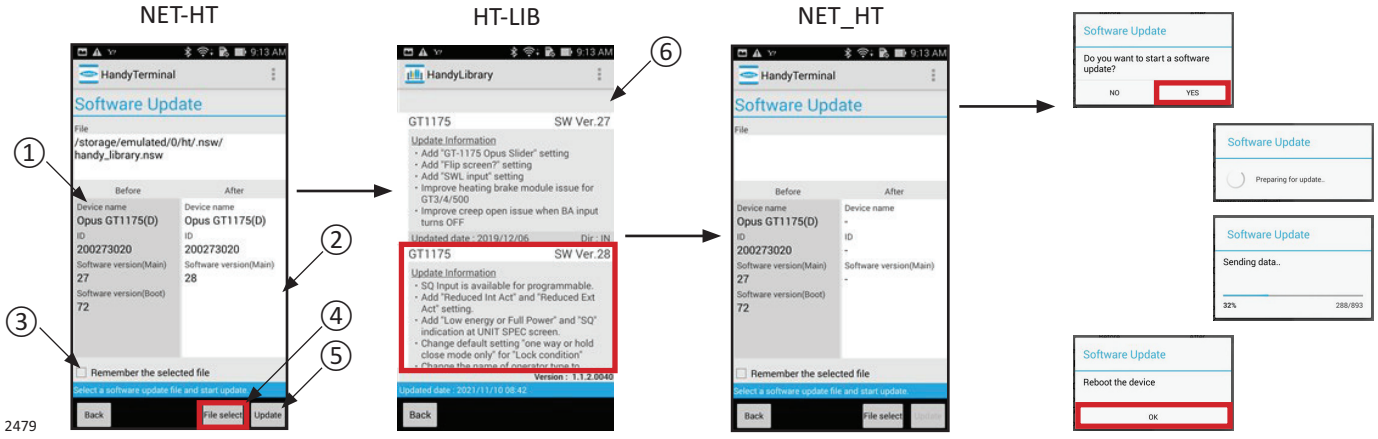
12.3.2. Selection Screen



DN 2478

SECTION 12.4: Navigating the "Software Update" Screen

1. Tap onto (File Select)
2. Move to HT-LIB application automatically if it is installed.
3. To Update, choose Opus software.
4. Back to NET-HT application automatically.
5. Tap onto (Update)
6. Wait for Update to finish (update takes about 3 min).
7. If software update is successful, Opus will reboot.



DN 2479

Item	Mode	Description
1	Current Software Information	Show current Opus Software version
2	Selected Software Information	Show selected Opus Software version
3	Remember Software Check Box	If the box is checked, the will NET-HT remember the selected Opus software. Checking this box will be useful when updating multiple Opus.
4	File Select Button	Move to HT-LIB application automatically if installed.
5	Start Update Button	Start software update. Before selecting software this button cannot be tapped.
6	Software List	Show Opus software list which HT-LIB has.

CHAPTER 13: EMAIL A PROGRAMMED SETTING

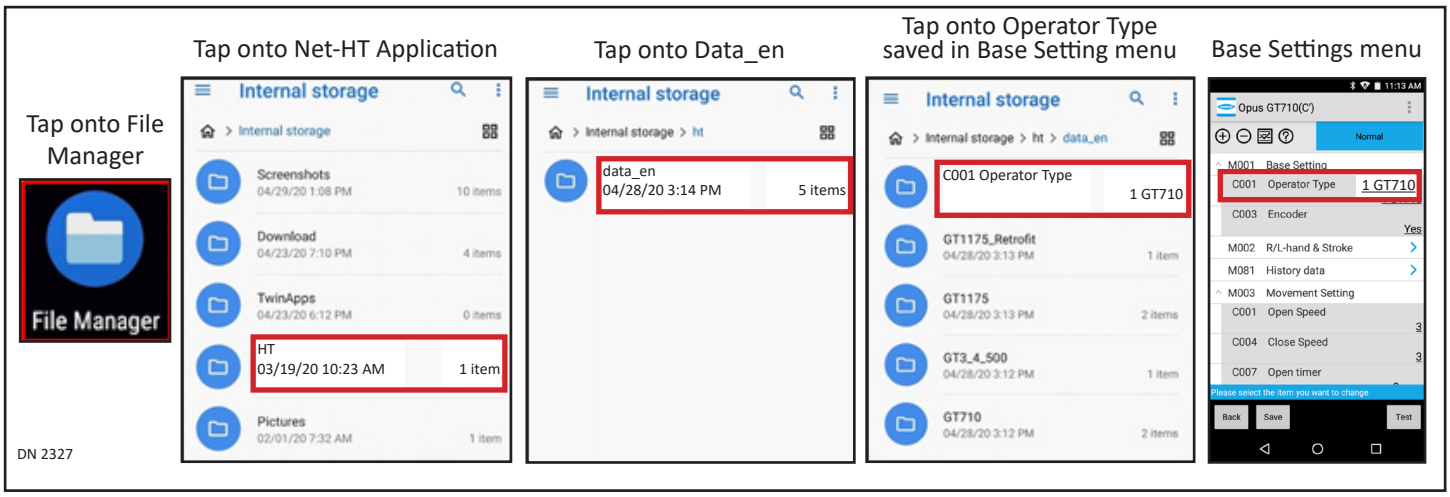
Attention: Please be advised, each Android Device will display different icons and/or different screens. The following images are examples of an Android Device emailing to Outlook.

Setting Mode screens found within this Chapter, are used to program the Opus control. Emailing a saved Setting per Swing/Slide door unit can be very useful. For example, a saved Setting can be emailed to:

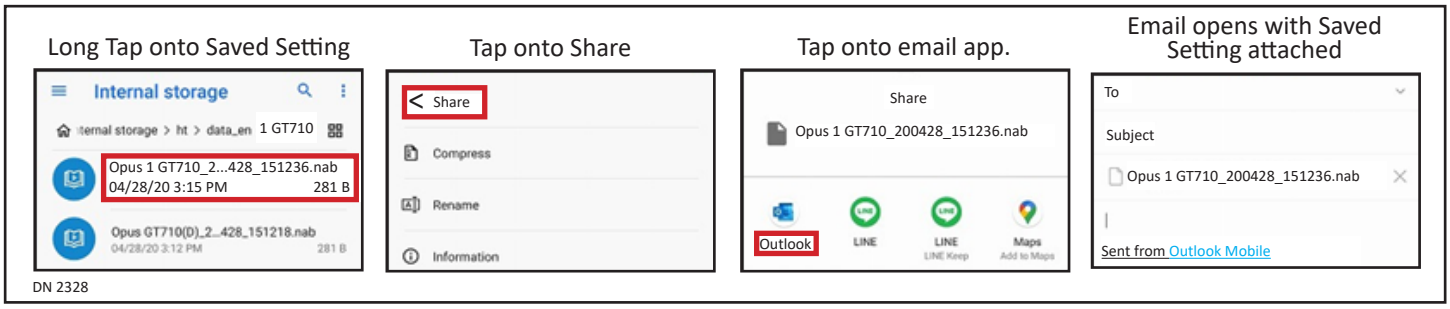
- NABCO Technical Support during a troubleshooting session to remedy a Swing/Slide door issue.
- The same installer when programming more than one Swing/Slide door unit that use the same Settings.
- To other installers so the Swing/Slide door can be programmed with the same Settings.

SECTION 13.1: Send a Programmed Setting

1. Go to the Android Device. Tap onto (File Manager) → Tap onto (Internal Storage) → locate and tap onto the NET-HT Application → Tap onto (Data_en) → Select and Tap onto the Operator Type that was saved in the Base Settings Menu. Please refer to SECTION 10.4.

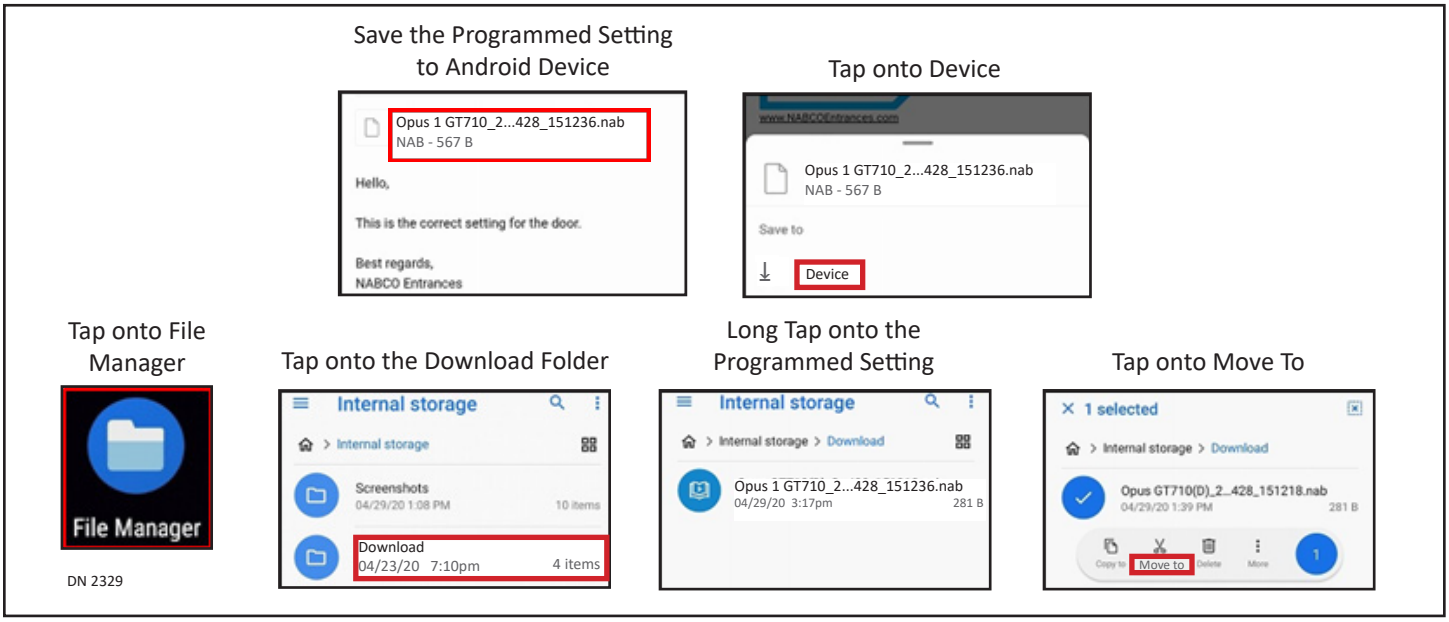


2. Select and Long Tap onto the saved Programmed Setting → Tap onto (Share) → Tap onto the email App → An email will automatically open with the saved Programmed Setting attached to it.



SECTION 13.2: Download a Programmed Setting to Android Device

1. Open the email with the attached Programmed Setting → Long Tap to Save the Programmed Setting to the Android Device by Tapping onto (Device).
   a. The Programmed Setting will automatically be saved into the Download folder. If not, the installer must refer to each Android Device's User Manual.
2. Tap onto Download Folder → Long Tap onto the Programmed Setting File → Tap onto (Move To).



3. Tap onto (Internal Storage) → Tap onto the NET-HT Application File) → Tap onto (data_en)
   a. If the NET-HT Application Folder cannot be found, save a one time Programmed Setting File to force the program to create NET-HT folder (refer to section 9.4 step 7). Once the folder is created, then Tap onto (Internal Storage) → Tap onto the NET-HT Application File) → Tap onto (data_en) NET-HT Application can save without the Control using the (Setting Edit function) on the Home Screen. Please refer to CHAPTER 9.
4. Select and Tap onto the Programmed Setting → Tap onto OK → Load the Programmed Setting using the NET-HT Application. Please refer to SECTION 10.6.

CHAPTER 14: TROUBLESHOOTING

Trouble	Possible Cause	Troubleshooting
LEDs do not light up on the Bluetooth Module	▶ Connections are not correct ▶ Disconnections may be present	Check connections on the: ▶ U-Series Control ▶ UG-A12 ▶ Cable and Harness
	▶ DC 12V power of a Control is in trouble.	Check the 12 VDC power by using a multimeter, etc. If something is wrong with the voltage, replace the Control.
Red LED doesn't blink	▶ Connections are not correct ▶ Disconnections may be present	Check connections on the: ▶ Cable and Harness ▶ UG-A12
Blue LED does not light up on the UG-A12	Bluetooth Dongle is not correctly seated inside Bluetooth Module.	Disconnect power from the Bluetooth Module. Reinstall the Bluetooth Dongle. Reconnect power and try again.
Blue LED doesn't blink	▶ NET-HT App not communicating with Bluetooth Dongle. ▶ Bluetooth Module is turned OFF	Within Mode Selection screen, reconnect the NET-HT Application to the Bluetooth Module, or the Select a Device to Connect Screen, or turn ON the Bluetooth transmitter on Android device.

Trouble	Possible Cause	Troubleshooting
NET-HT App can not communicate with the Bluetooth Dongle even though the msg on the Mode Selection screen says connection exists	Weak Radio Waves	Shorten the distance between the Android device and Bluetooth Module. Then reboot the communication connection.
	Troubles related to Android	▶ Reboot the communication connection ▶ Turn OFF/ON the Android Device
Version Unmatch popup is displayed	Application is an old version	Upgrade the Application.
Device ID Error popup is displayed and duplicate device names are displayed in Red	Device IDs are duplicated	Check IDs for duplication (particularly sensors) and remove the duplication.
NET-HT Application can not connect to the Bluetooth Dongle	▶ Devices are not paired correctly within the SELECT A DEVICE to CONNECT Screen. ▶ Dongle may have been replaced possibly causing trouble.	▶ Tap onto Scan for Devices, within the Select a Device to Connect Screen. Search for more Pairing Device selections. ▶ Reinstall the Bluetooth Dongle. Tap onto Scan for Devices, within the Select a Device to Connect Screen. Search for more Pairing Device selections.
The SELECT A DEVICE to CONNECT Screen pop up window does not display the new UG-A12 name	▶ The UG-A12 name has not changed because the Bluetooth Dongle was inserted within the same UG-A12. ▶ A new UG-A12 is being used but the Android NET-HT does not recognize it.	▶ Disconnect/reconnect the Bluetooth Module from the NET-HT Application. Tap onto: SCAN FOR DEVICES within the SELECT A DEVICE to CONNECT Screen. The Bluetooth Module name will update within the SELECT A DEVICE to CONNECT screen.
Setting of Bluetooth Module cannot be changed	Serial Number on the Bluetooth Module is not entered.	▶ Within the Bluetooth Module sub level screen, if the Dongle device name is left blank, connection can not be made. • The Dongle device is named according to the Serial Number listed on the side of the Bluetooth Module. For example: if a serial number is A1706_0038H, the Bluetooth Dongle name would be UG176038. ▶ Within the Bluetooth Module sub level screen, enter the Dongle name. Reboot the Bluetooth Module and NET-HT App.
In the MODEL SELECTION screen, a pop-up message appears stating Version Unmatch	Connected Devices are newer than the Application.	Update the NET-HT Application. The most current Application version is available for all devices.
In the MODEL SELECTION screen, a pop-up message appears stating Device ID Error	Duplicate Device IDs	Duplicate Device IDs are displayed in red. Check the ID of each device (particularly sensors) and avoid duplication.