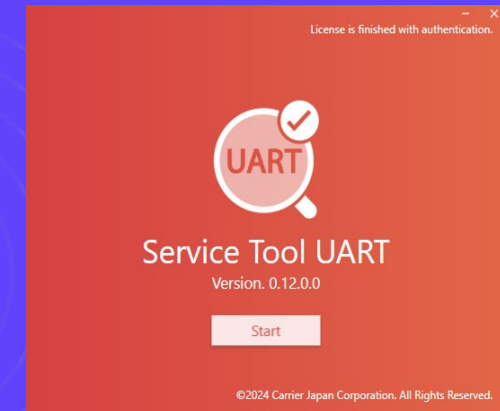
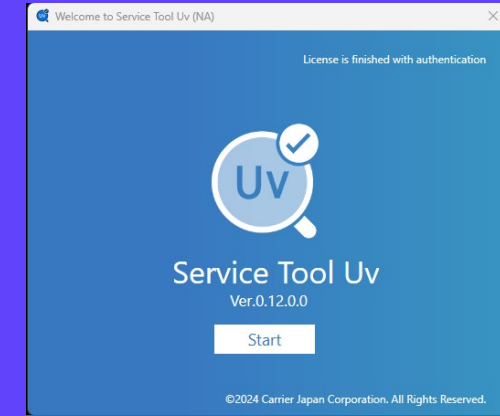




Welcome to VRF Technical Training

Toshiba Carrier VRF u-Series
Uv & UART Software with Link Adapter



Toshiba Carrier Link adapter

Toshiba Carrier u-Series VRF Diagnostic Software & Communication Adapter

New Link adapter kit for u-Series VRF - TCB-SSIUU

NEW function of Link adapter

Convert Uv line data to data for PC

- Save Uv & UART line communication data to micro-SD card
- Data reception can be confirmed with the main unit LED
- SMMS-u system can be set in combination with Service Tool

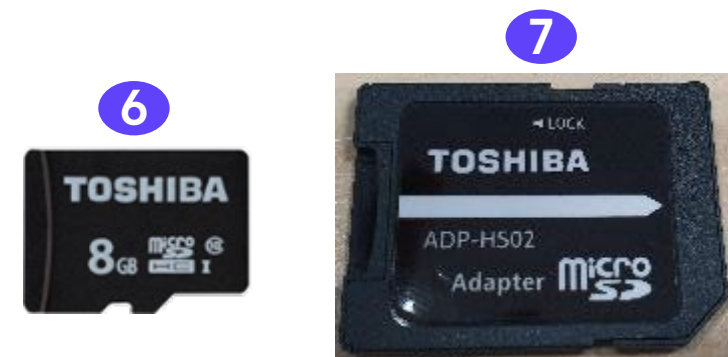
No.	Part name	Quantity	Remark
1	Link Adapter	1	-
2	Power cable	1	For air conditioner board connection, 1 m
3	Air conditioner connection cable	1	6pin, 1 m
4	Uv line connection cable	1	2-pin, 1 m (single end) without connector
5	USB type-C cable	1	3 m
6	microSDHC™ card*	1	Capacity: 8 GB, SDHC, UHS-I, Class 10, FAT32 formatted
7	SD card conversion socket	1	-
8	Explanatory leaflet	1	-
9	Lithium button cell	1	CR2032, already attached to the main unit

* When replacing the microSDHC™ card, use a product of the following specifications.
Capacity: 8 to 32 GB, SDHC, UHS-I, Class 10, FAT32 formatted



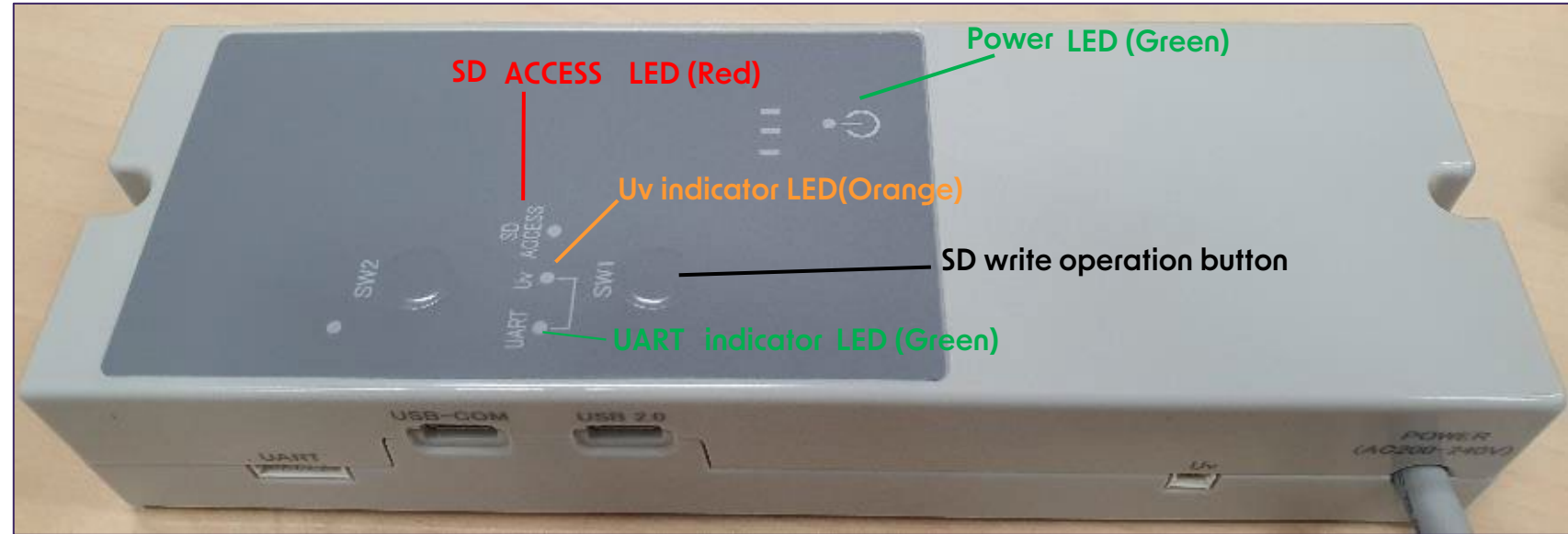
Attention:

Dyna-Doctor for i & e-Series equipment, will not work on u-Series equipment



Toshiba Carrier Link adapter

Lights and Connections



Both USB-C connections.
They are not equal, follow
instructions for proper one
to connect to!



UART
Communication port

Serial Communication
USB-COM
Type C connector

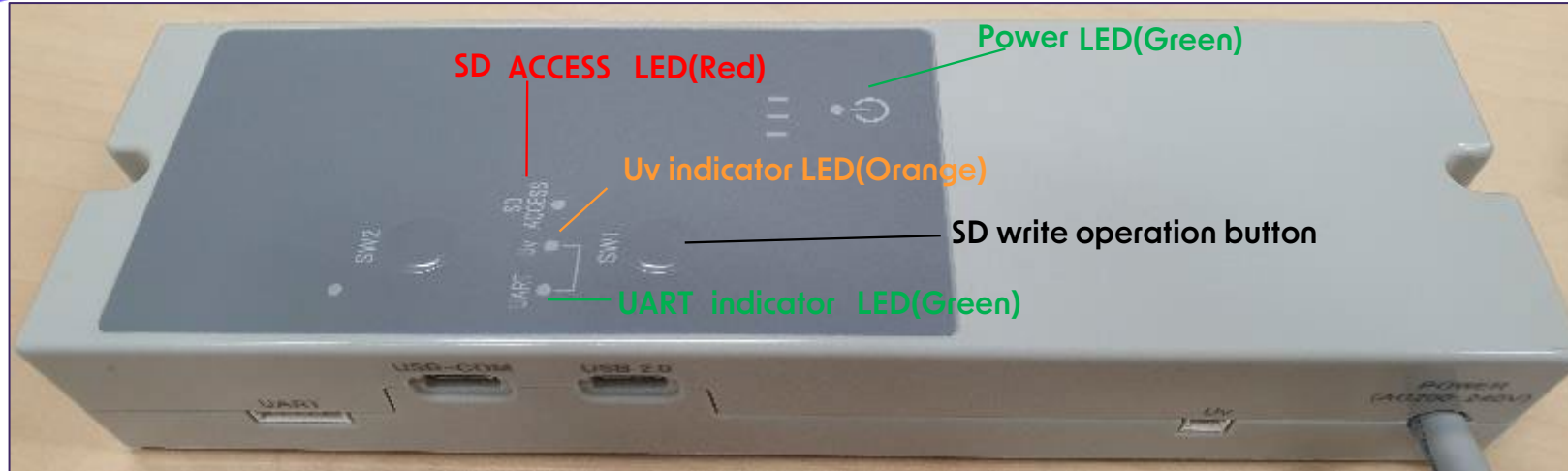
Data Communication
USB 2.0
Type C connector

LINK (Uv)
connector

Opening for
AC power supply cable

Toshiba Carrier Link adapter

Light Explanations



LED name	LED Color	Function	Note
UART	Green	UART Signal receive indicator	After confirming the communication baud rate Data reception available : Blinking (1Hz) , data reception not available : Off
Uv	Orange	Uv line Signal receive indicator	After confirming the communication baud rate Data reception available : Blinking (1Hz) , data reception not available : Off
SD ACCESS	Red	SD access indicator	Stop working: Off, Check: Blinking Recording: Blinking (0.5Hz) Abnormal termination: Blinking (5Hz)

Toshiba Carrier Link adapter

Function of SW1 button



SW	Note
SW1 Micro-SD Date recording Start & Stop	LED blinks when data is received from UART and Uv line. • Press and hold SW1 for <u>4 seconds</u> : Recording starts (LED 0.5Hz blinks during recording) • Press and hold SW1 again for <u>4 seconds</u> : Stop recording

Toshiba Carrier Link adapter

About Micro-SD card



Micro-SD card is installed as standard.

Manufacturer : Kioxia

Model name : MSDBR48N08G

Data capacity : 8GB

specification : SDHC UHS-I, class10

data format Fat32

※ When replacing, select the one with the same specifications.

(Any manufacturer, model name, capacity (4 ~ 32GB))

Recorded continuously

Data log interval 0.1sec	Continuous recording period by capacity		
	8GB	16GB	32GB
UART	1 month	2 month	4 month
LINK(Uv)			

※Data log interval cannot be selected.

Data interval can be edited after data is imported to the service tool.

Recorded using Uv

Data log: 1min

(10MB/1file) : 3:56Hr

1day : 70MB

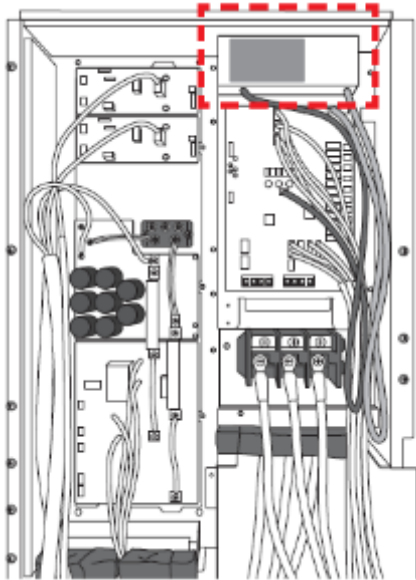
30day: 2100MB

114days : 8000MB

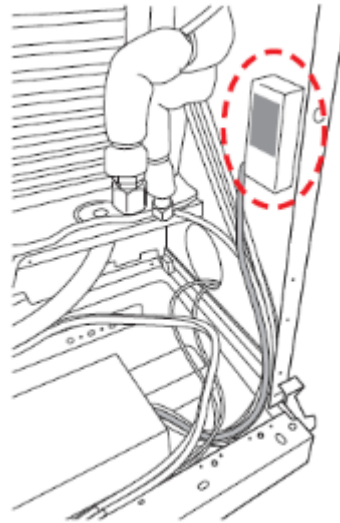
Toshiba Carrier Link adapter

Link adapter placement

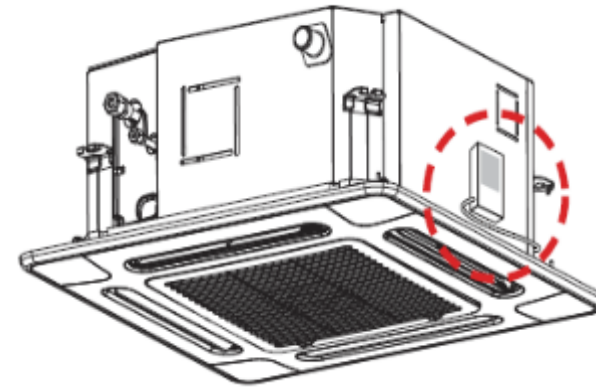
Installed using the two magnets on the back of the main unit.



<Ex1: Inside the ODU e-BOX>



<Ex2 : Inside the IDU>



<Ex3:Outside the IDU>



Magnets

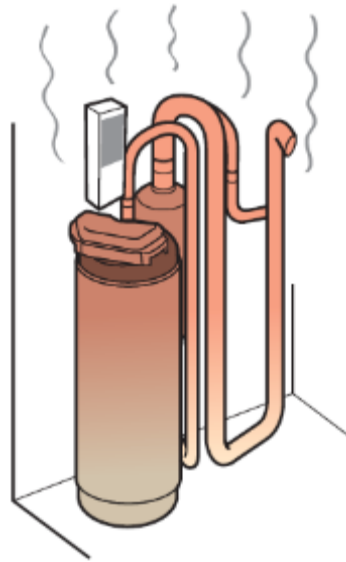
Toshiba Carrier Link adapter

Do not place Link adapter in these locations

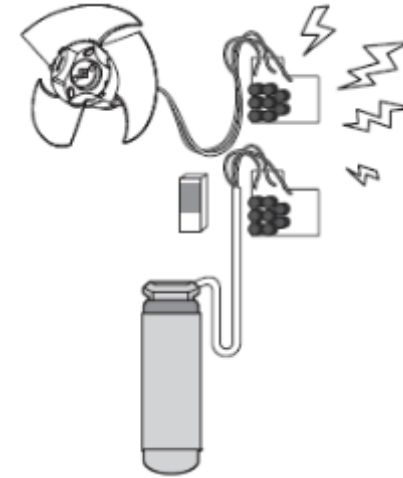
Prohibition of installation in the following locations as it may cause malfunction or malfunction.



Get wet with water



**High temperature.
Near the refrigerant
piping, etc.**



**High noise level.
INV board, motor, compressor,
power line, etc.**

Toshiba Carrier Link adapter

Power wiring

Be sure to use the attached power cable to supply AC power from the connector on the ODU or IDU PCB.



Power cable



SMMS-u I/F PCB



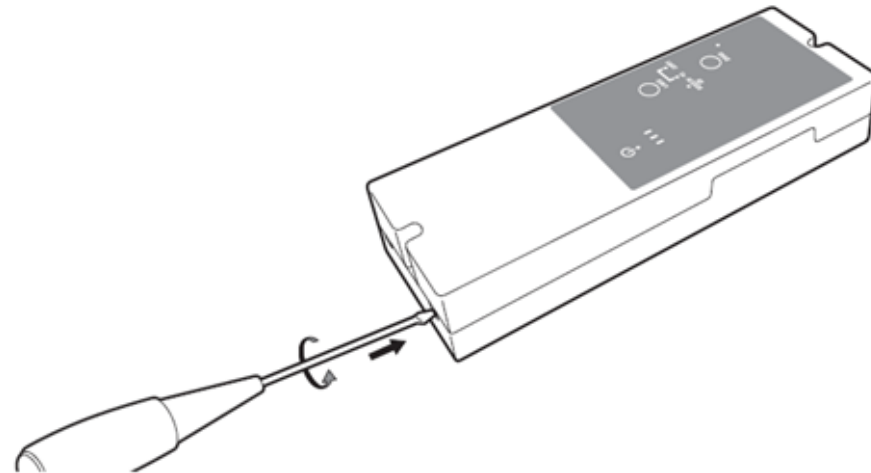
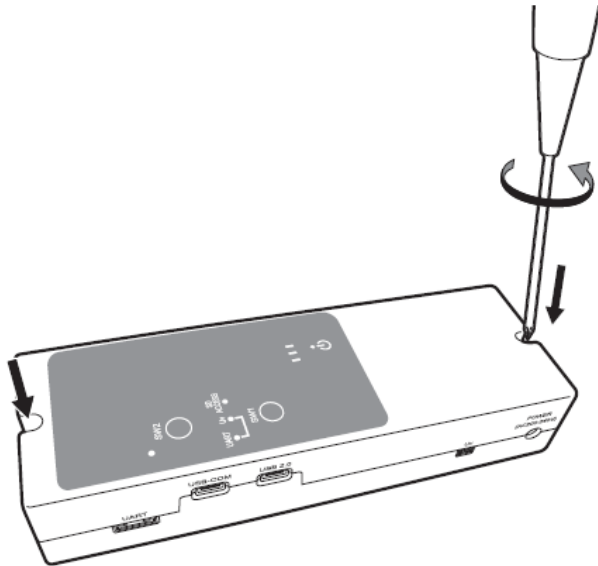
IDU PCB(Ex:MCC-1643)

Prohibition of connection to commercial power sources such as breakers and outlets. Link adapter may break down.

Toshiba Carrier Link adapter

Setting up the Link adapter for the 1st time

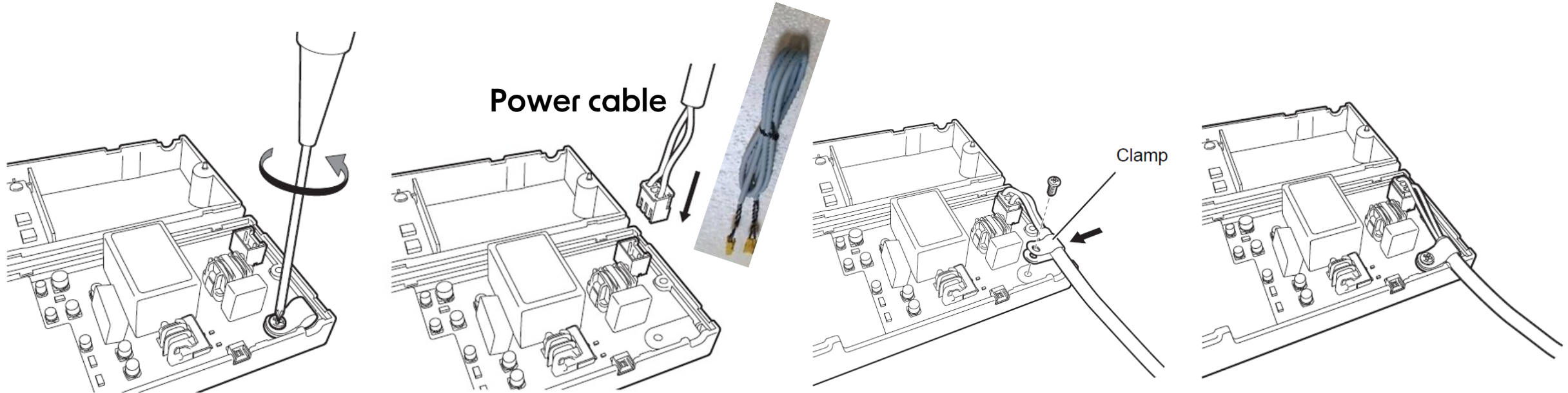
Remove two screws to open adapter



Toshiba Carrier Link adapter

Setting up the Link adapter for the 1st time (cont.)

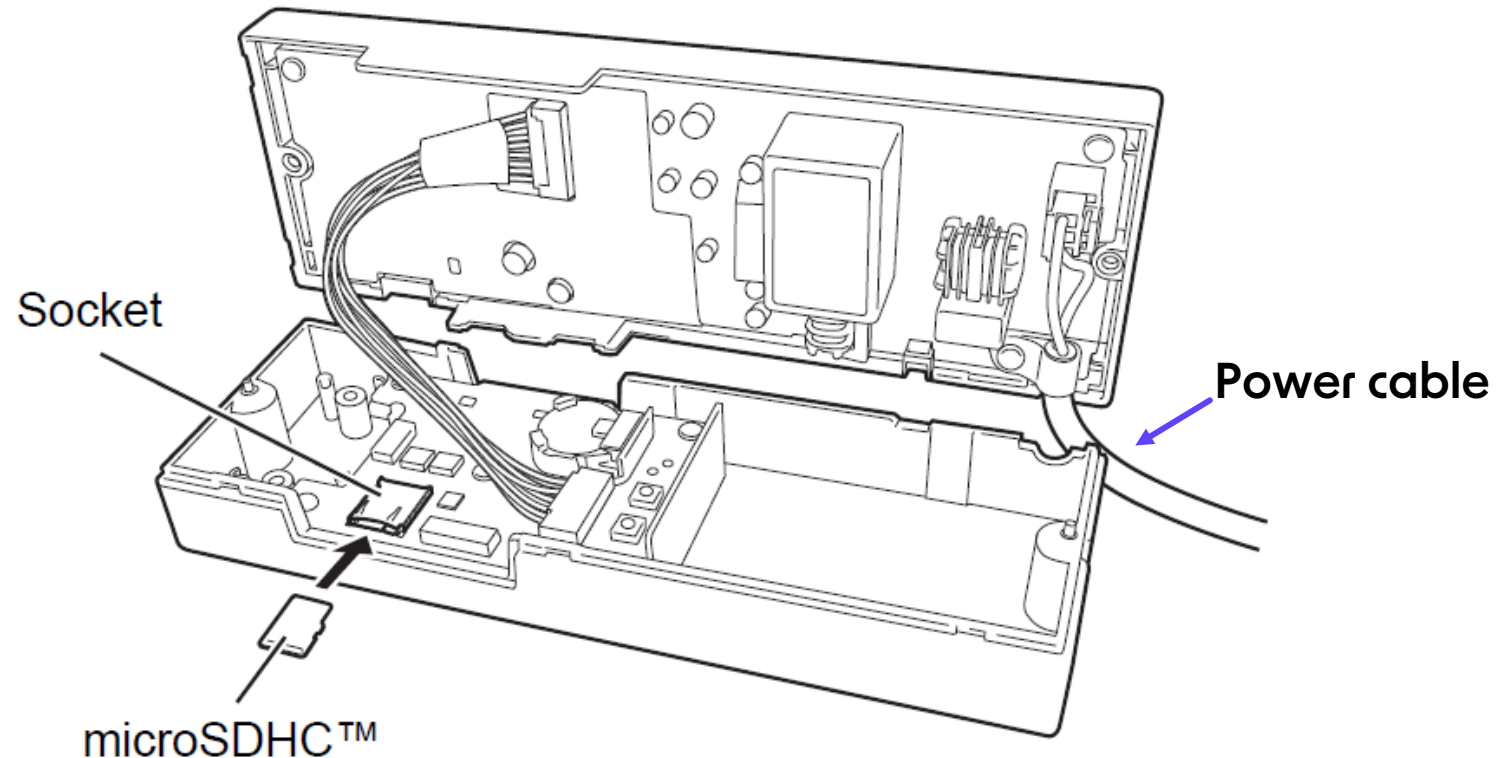
Plug power cable into socket shown, secure with clamp



Toshiba Carrier Link adapter

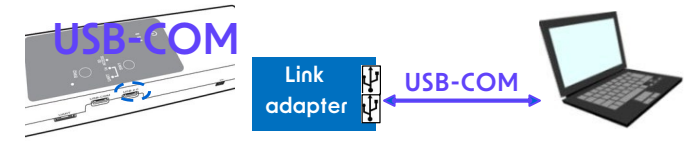
Setting up the Link adapter for the 1st time (cont.)

Make sure to insert Micro-SD Card before closing back up.



Toshiba Carrier Link adapter

Setting up the Link adapter for the 1st time (cont.)



Device drivers must be installed prior to use!!!

UART/Uv Communication Check before use

Installation of device drivers on your PC is required.

Download and install the device drivers from the following URL on a PC connected to the Internet.

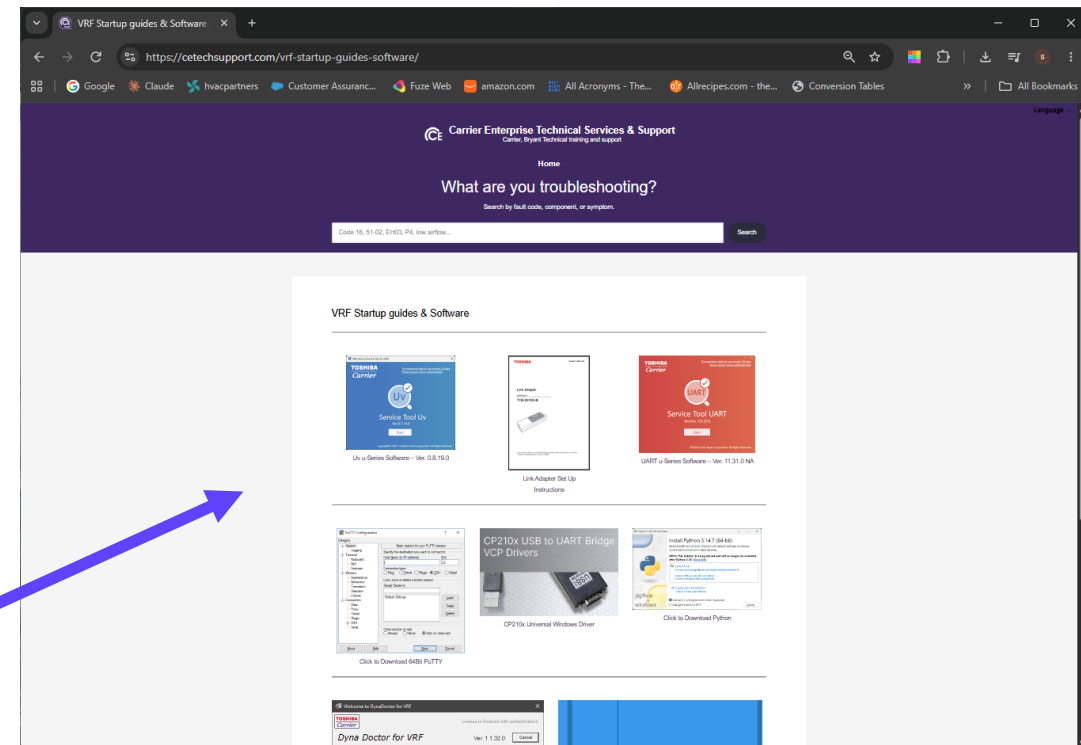
<CP210x Universal Windows Driver>

<https://www.silabs.com/software-and-tools/usb-to-uart-bridge-vcp-drivers?tab=downloads>

1. Connect the PC with the device drivers installed to the Link Adapter's USB-COM with the supplied USB-type C cable.
1. Select [Control Panel]-[Device Manager] and select [Ports (COM & LPT)] to check the COM Port.

We also keep files available for download here on our tech website.

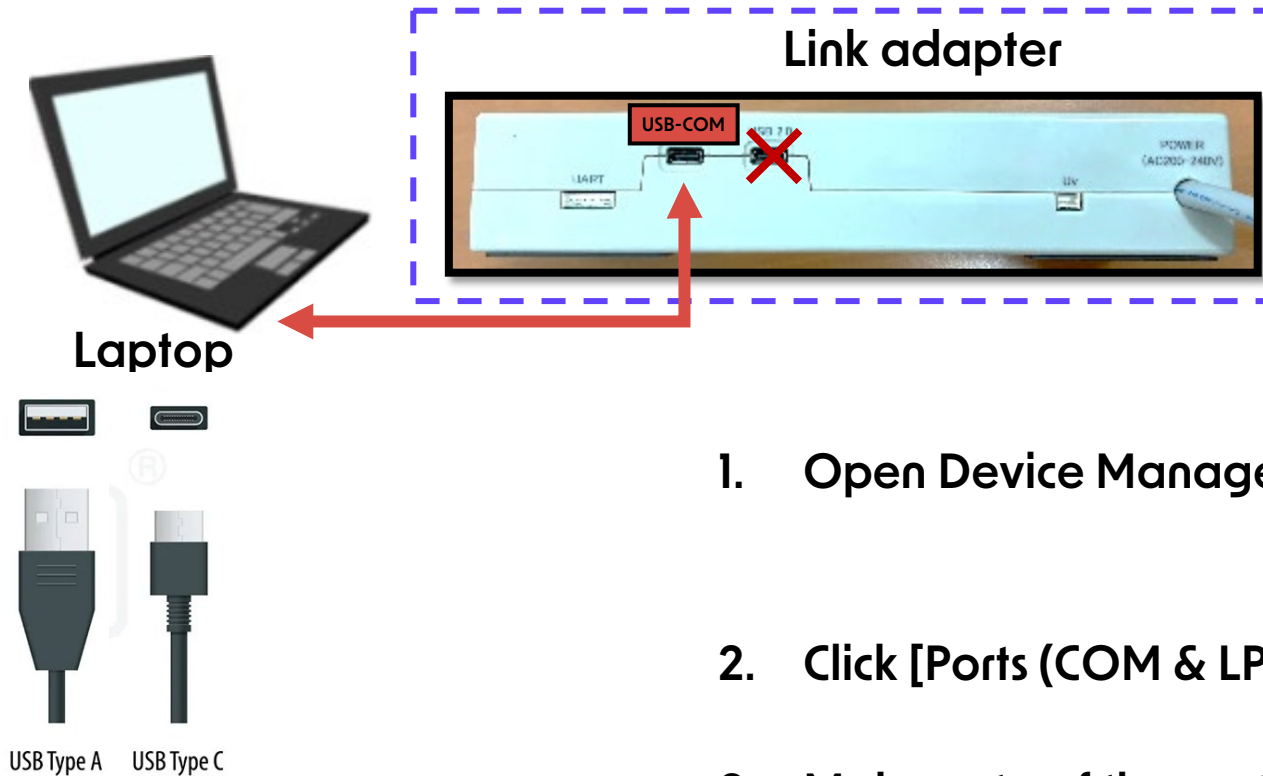
<https://cetechnsupport.com/vrf-startup-guides-software/>



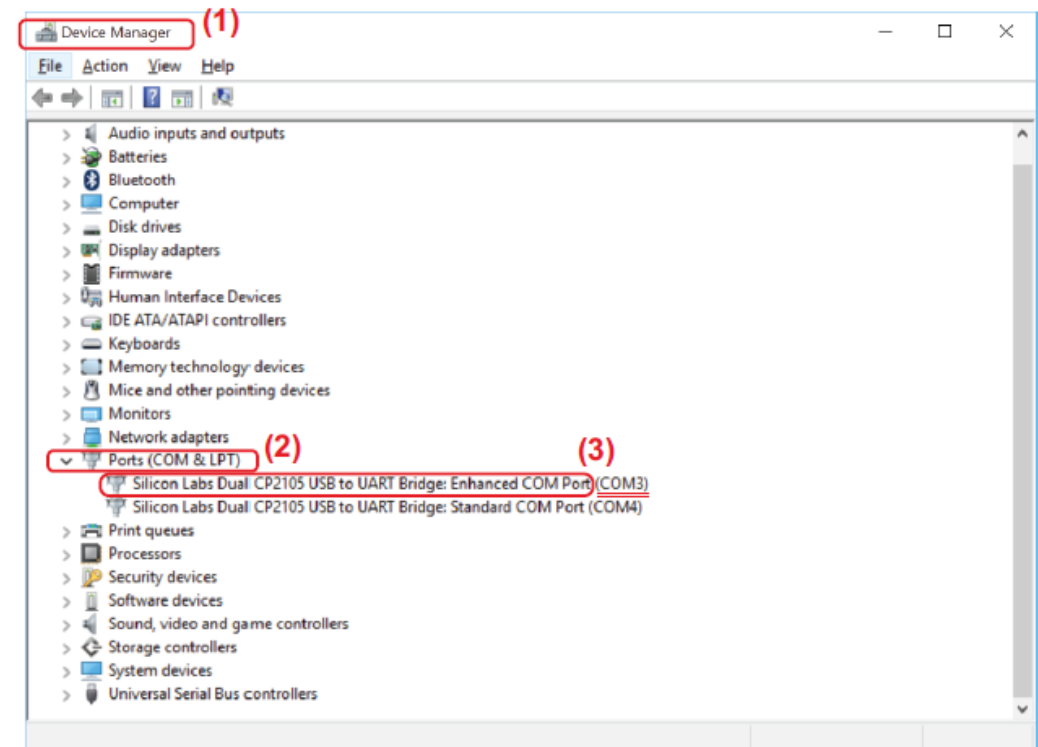
Toshiba Carrier Link adapter

Setting up the Link adapter for the 1st time (cont.)

Start PM and connect cable between PC and USB-COM port on Link adapter



1. Open Device Manager
2. Click [Ports (COM & LPT)]
3. Make note of the port number for "Enhanced COM Port"

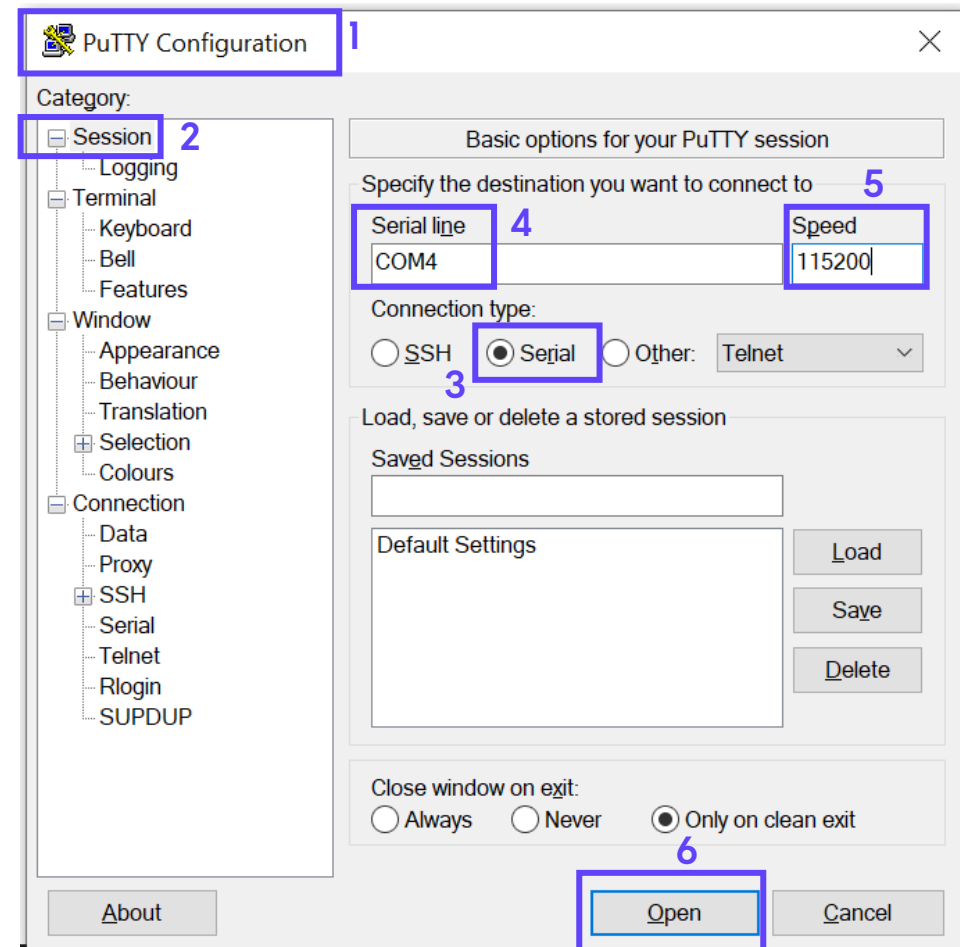


Toshiba Carrier Link adapter

Setting up the Link adapter for the 1st time (cont.)

Putty software to change the date and time

1. Start the PuTTY
2. Choose [Session]
3. In Connection type, choose [Serial].
4. in [Serial line], enter the port number show in [Enhanced COM Port].
5. In [Speed], set 115200.
6. Click [Open]



Toshiba Carrier Link adapter

Setting up the Link adapter for the 1st time (cont.)

Putty software to change the date and time

- Press the ESC on the keyboard
- Type [date] and press the ENTER key.
- Type [time] and press the ENTER key.

- Example When setting
"2023/04/27"

Type [date YYYYMMDD] and Enter

```
Com4 PuTTY
TCC-LINK monitor aborted.
TCB-SS1UU-E >
```

```
Com4 uTTY
TCC-LINK monitor aborted.
TCB-SS1UU-E >date
date: 2020/04/27
TCB-SS1UU-E >time
rtc: 17:20:09
rtos: 17:20:09.128
TCB-SS1UU-E >
```

```
Com4 uTTY
TCC-LINK monitor aborted.
TCB-SS1UU-E >date
date: 2020/04/27
TCB-SS1UU-E >time
rtc: 17:20:09
rtos: 17:20:09.128
TCB-SS1UU-E >date 20200428
date: 2020/04/28
TCB-SS1UU-E >
```

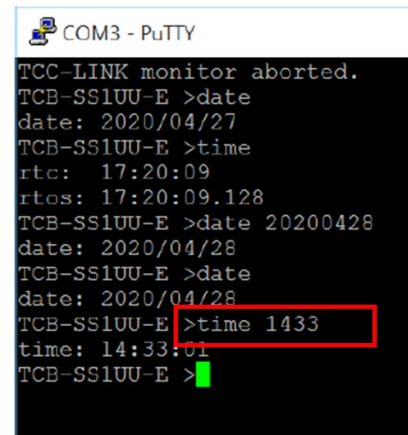
Toshiba Carrier Link adapter

Setting up the Link adapter for the 1st time (end)

Putty software to change the date and time

- Example When setting 10:21

1. Type [time 1021] and Enter

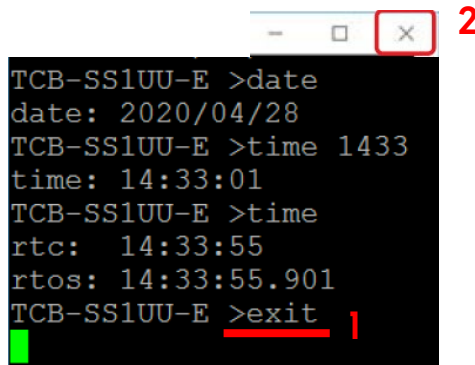


```
COM3 - PuTTY
TCC-LINK monitor aborted.
TCB-SS1UU-E >date
date: 2020/04/27
TCB-SS1UU-E >time
rtc: 17:20:09
rtos: 17:20:09.128
TCB-SS1UU-E >date 20200428
date: 2020/04/28
TCB-SS1UU-E >date
date: 2020/04/28
TCB-SS1UU-E >time 1433
time: 14:33:01
TCB-SS1UU-E >
```

- you can check the registered settings using the [date] and [time] commands again.
- Finish the setting.

1. Type [exit] and ENTER

2. Click [X] to close PuTTY



```
COM3 - PuTTY
TCB-SS1UU-E >date
date: 2020/04/28
TCB-SS1UU-E >time 1433
time: 14:33:01
TCB-SS1UU-E >time
rtc: 14:33:55
rtos: 14:33:55.901
TCB-SS1UU-E >exit
```

Toshiba Carrier Link adapter Software

UART & Uv Diagnostic Software for u-Series

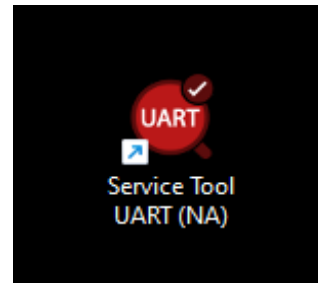
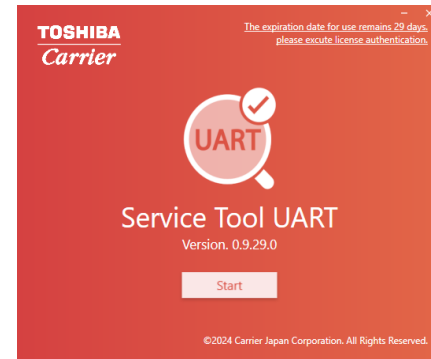
Software for UART & Uv programs are very similar.

The COM port setting is different.

Contact your local CE Tech Support to get copies of the software.

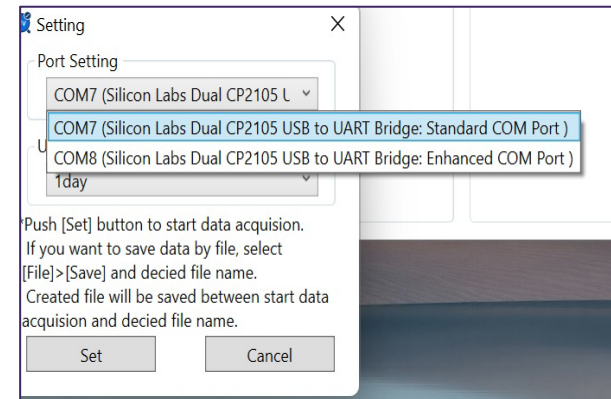
UART Program

Universal Asynchronous Receiver Transmitter

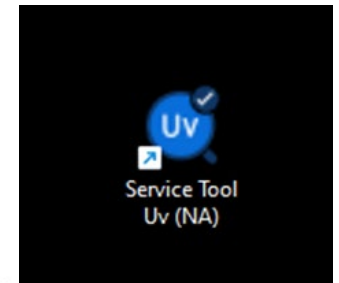
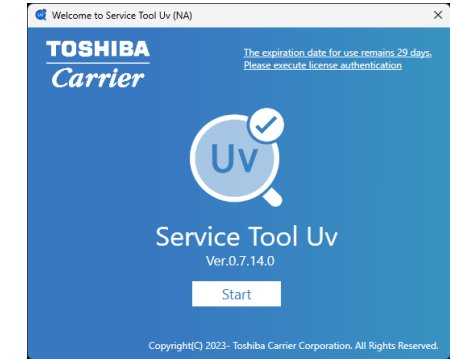


1. USB-A to USB-C
2. Main PCB CN800
(Outdoor unit ONLY)

Standard COM port setting



Uv Program



1. Uv terminal (U1 U2)
(Indoor and Outdoor unit)

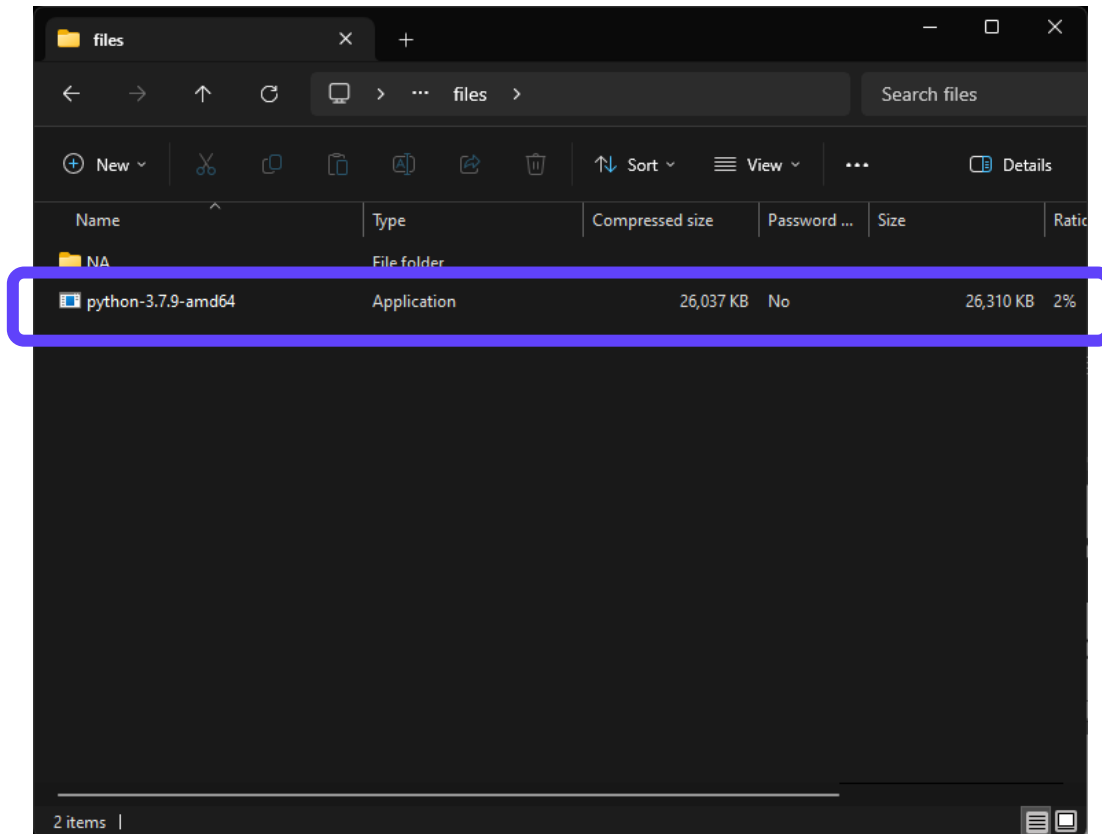
Enhanced COM port setting

Toshiba Carrier Link adapter Software

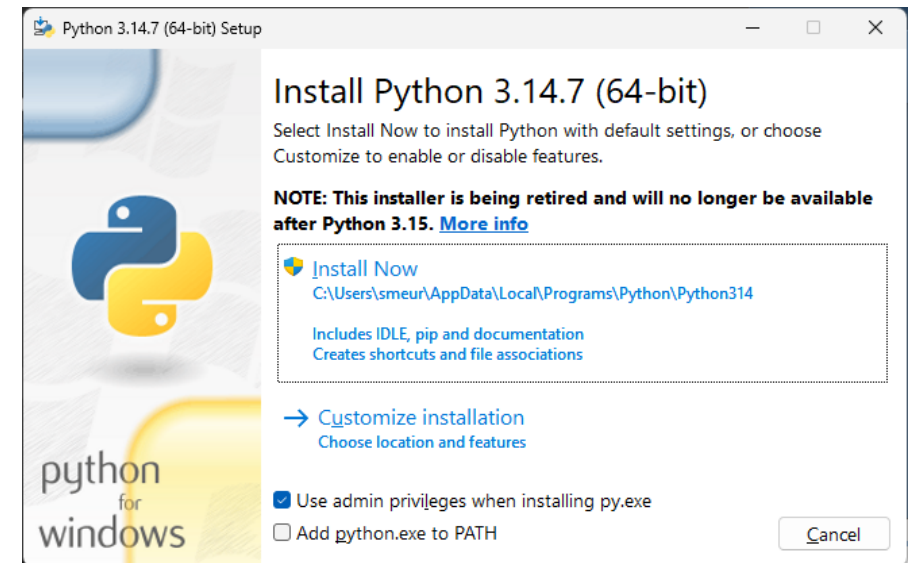
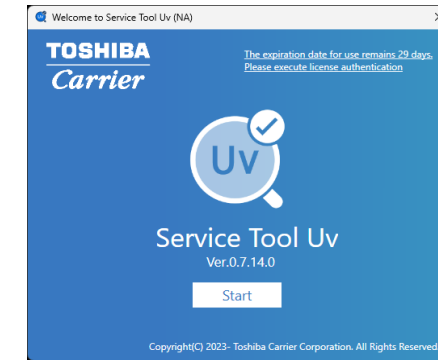
Uv ONLY

NOTE: Uv software requires Python for Windows to operate.
This is included in a folder with the Uv software.

You may need to go to www.python.org for latest version.
Current version 3.14.7 as of 9.25.2026



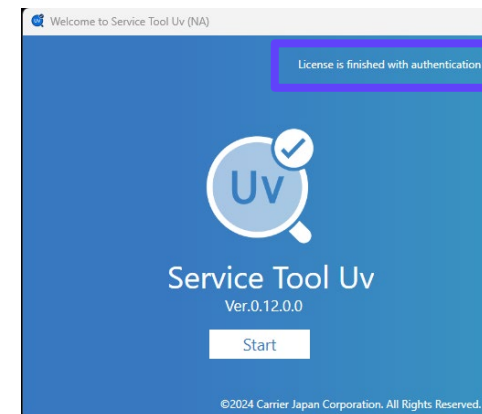
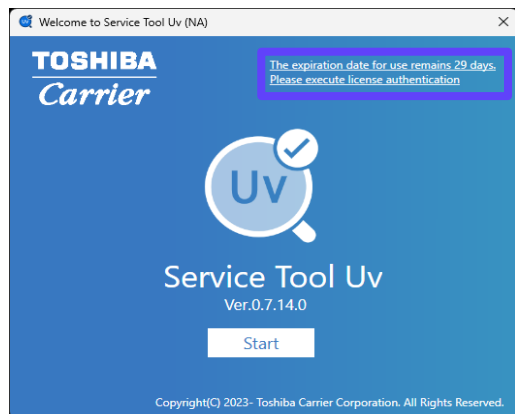
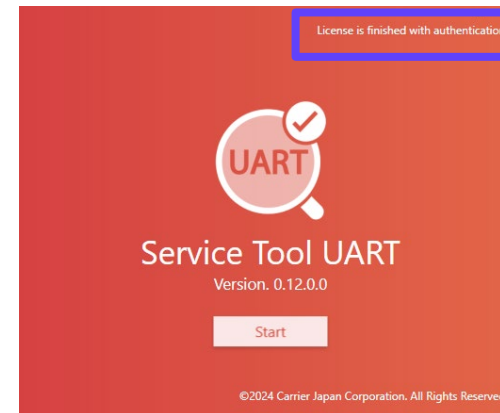
Uv Program



Toshiba Carrier Link adapter Software

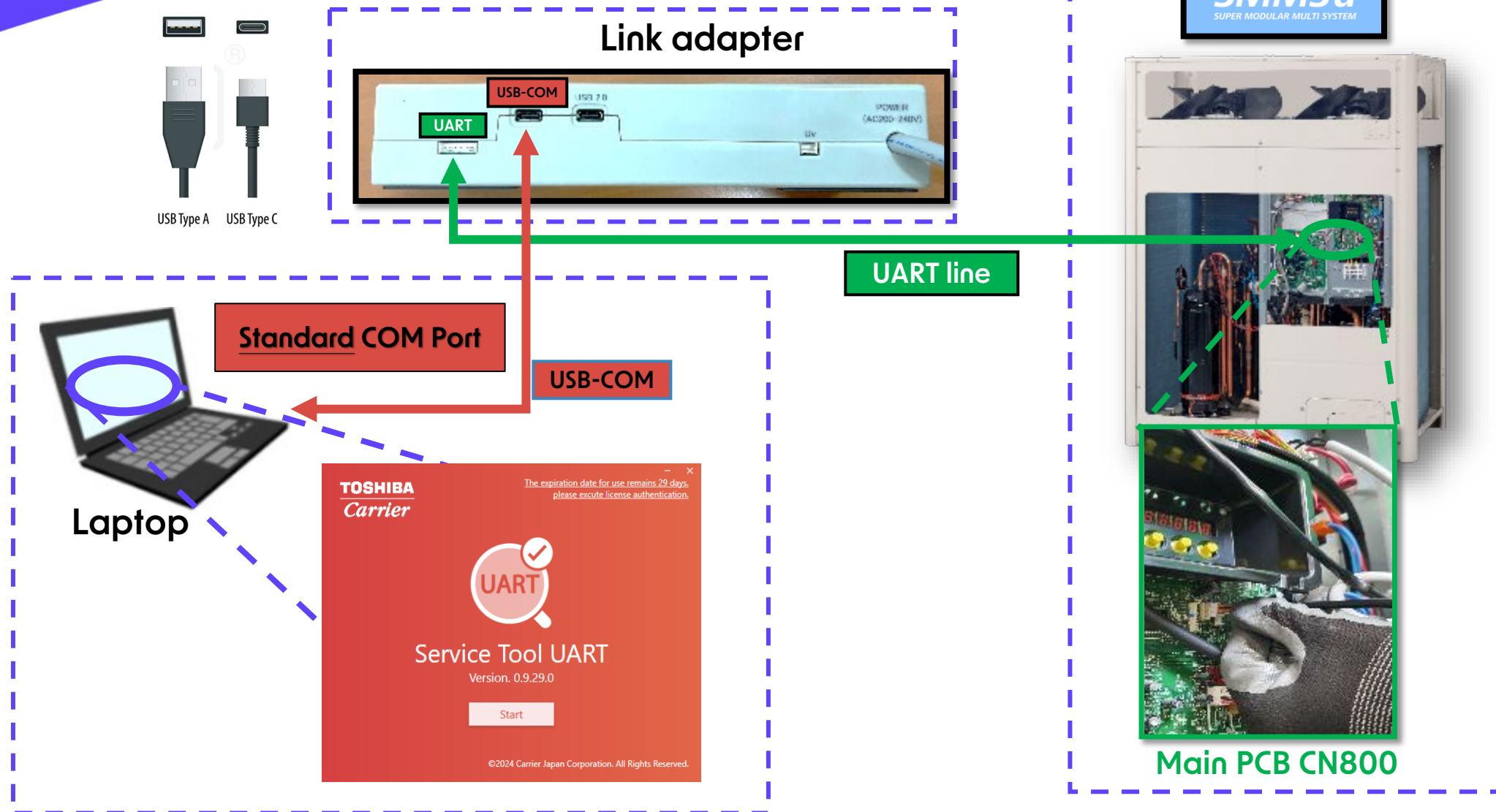
UART & Uv Diagnostic Software for u-Series

- The latest versions of Uv and UART software have a simpler registration process than previous versions.
- Once loaded and check for updates and fill out the basic info screen.



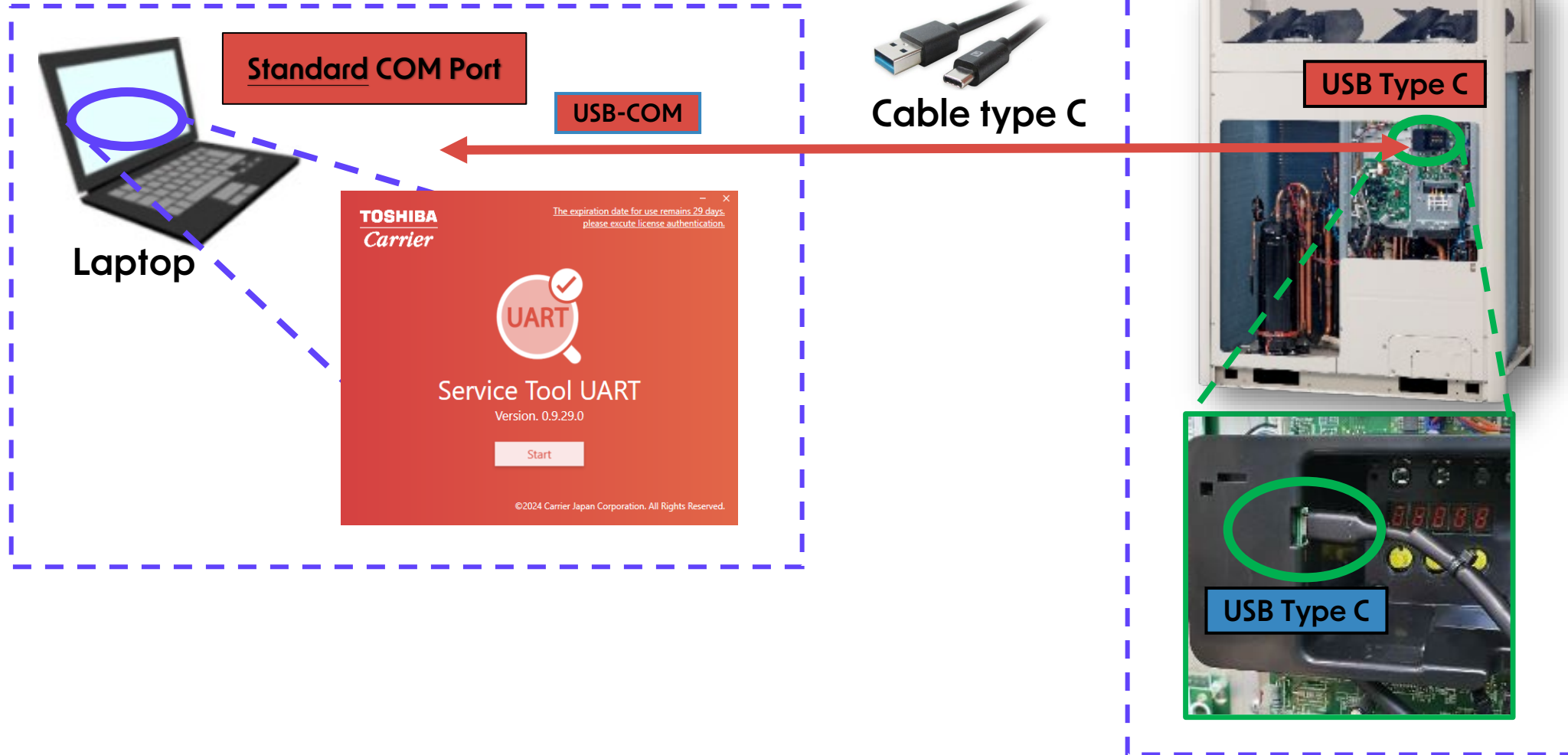
Toshiba Carrier Link adapter

UART Connection Option 1



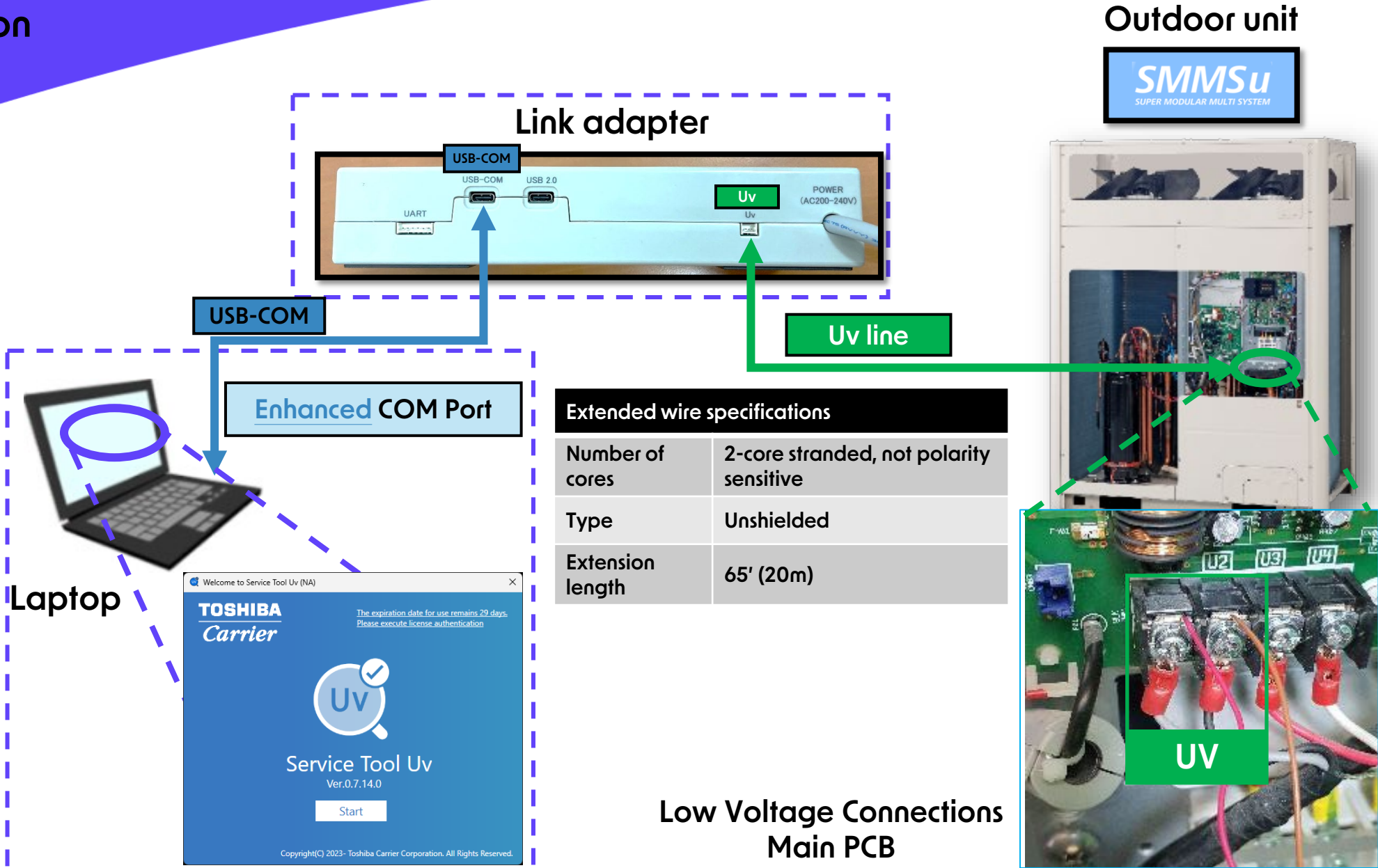
Toshiba Carrier Link adapter

UART Connection Option 2



Toshiba Carrier Link adapter

Uv Connection

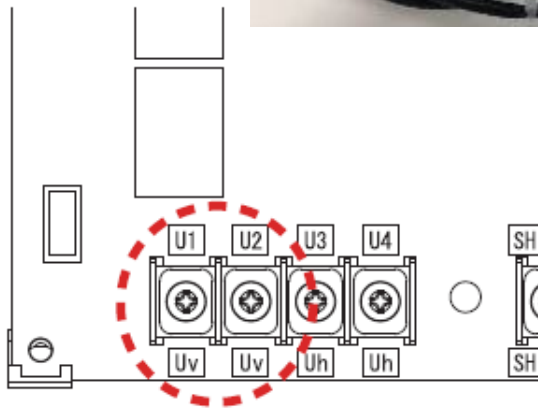


Toshiba Carrier Link adapter

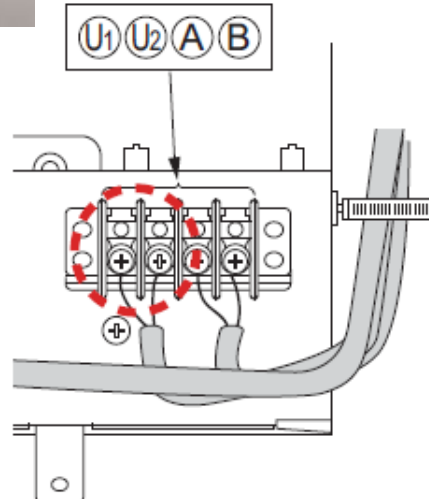
Uv Connection (end)



Connect the stripped end of the wire of the Uv line connection cable to the terminal block (U1/U2) of the outdoor unit.



Uv connections
SMMS-u ODU



Uv connections IDU

Extended wire specifications

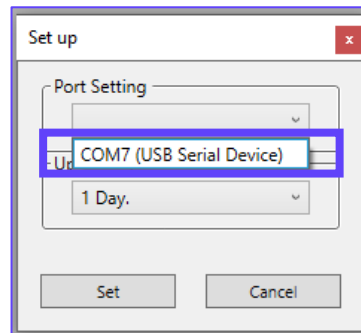
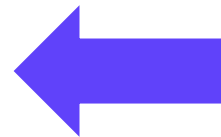
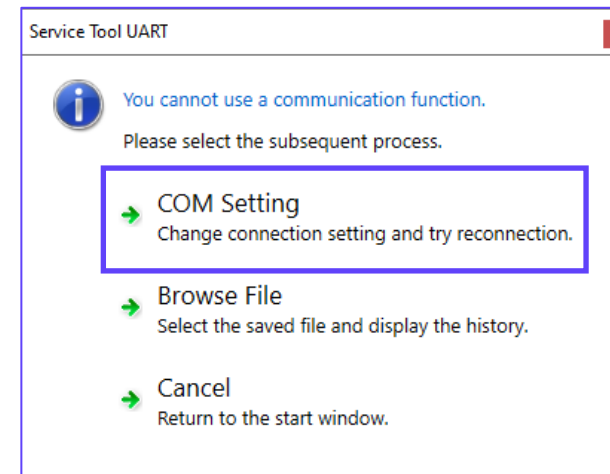
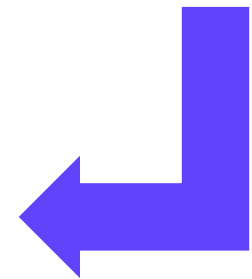
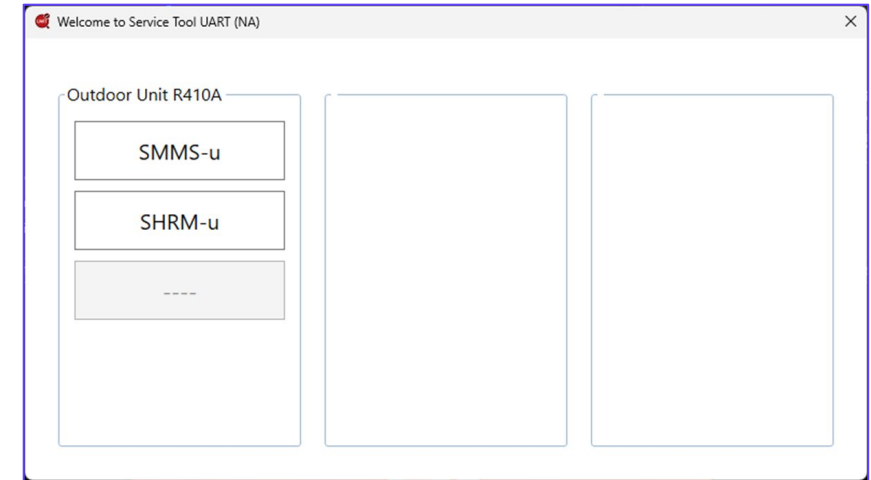
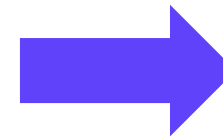
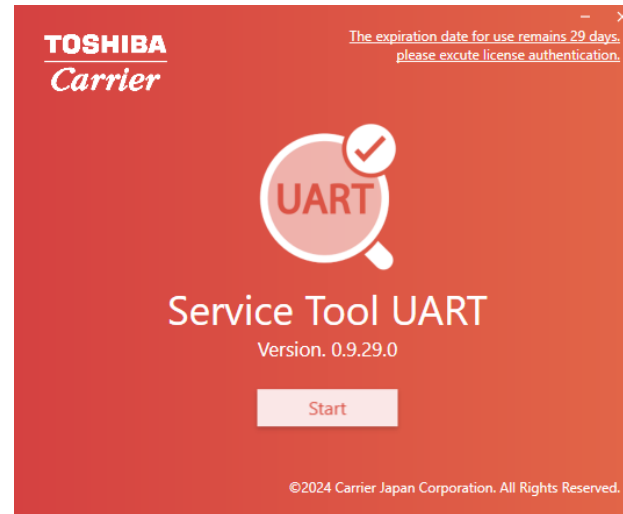
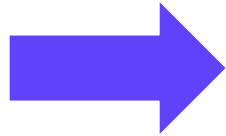
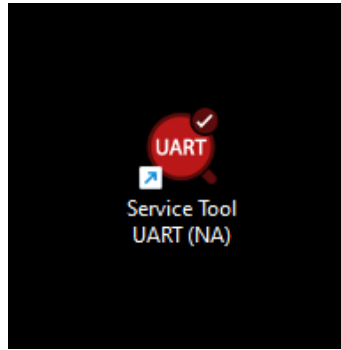
Number of cores	2-core stranded, not polarity sensitive
Type	Unshielded
Extension length	65' (20m)

Uv line connection cable
can be extended up to 65'.

Toshiba Carrier Link adapter

Start up Service Tool UART

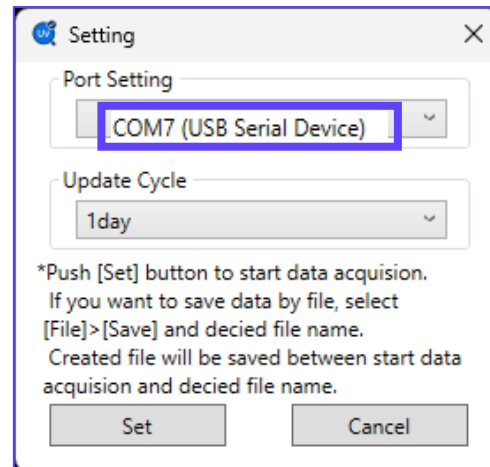
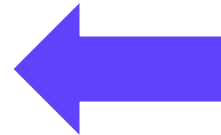
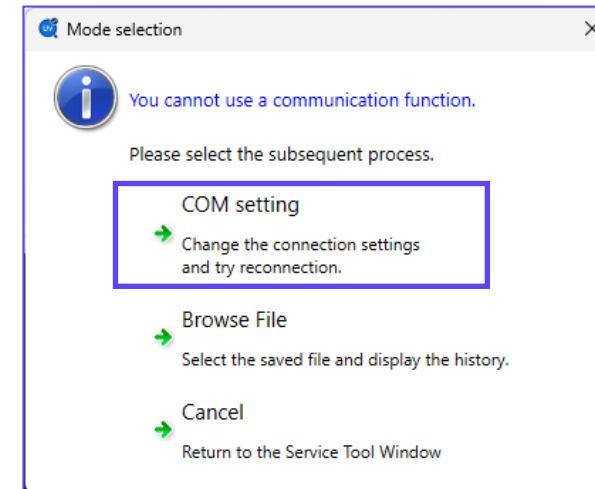
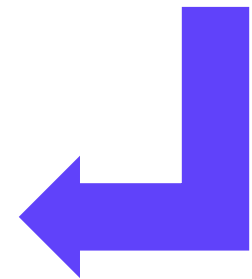
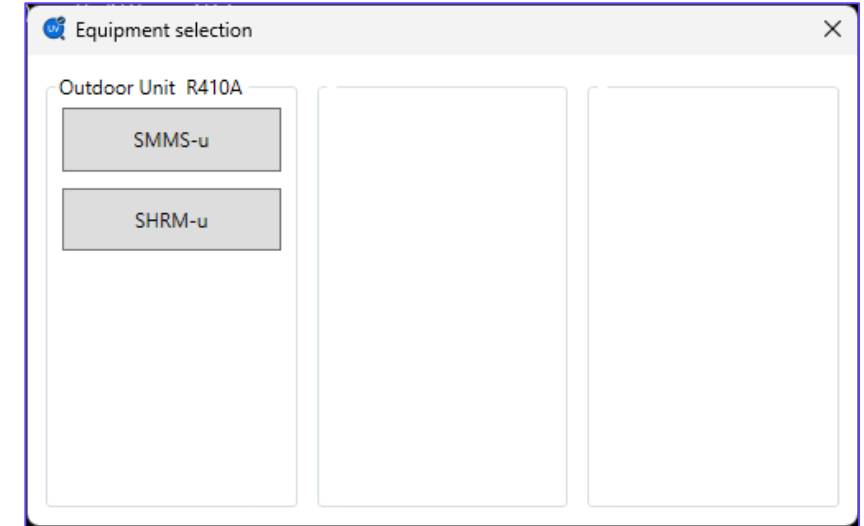
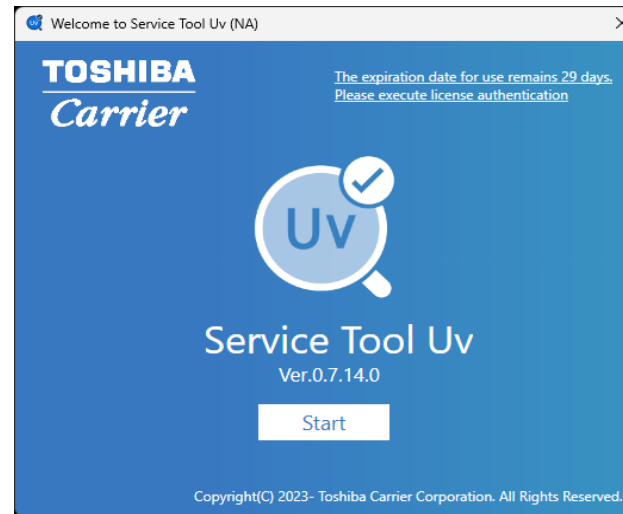
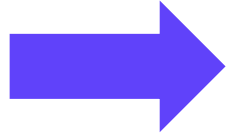
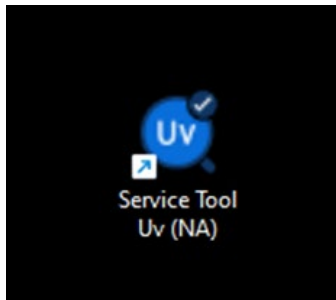
Start Ap, choose the button for the connected outdoor unit series, select com port setting.



Toshiba Carrier Link adapter

Start up Service Tool Uv

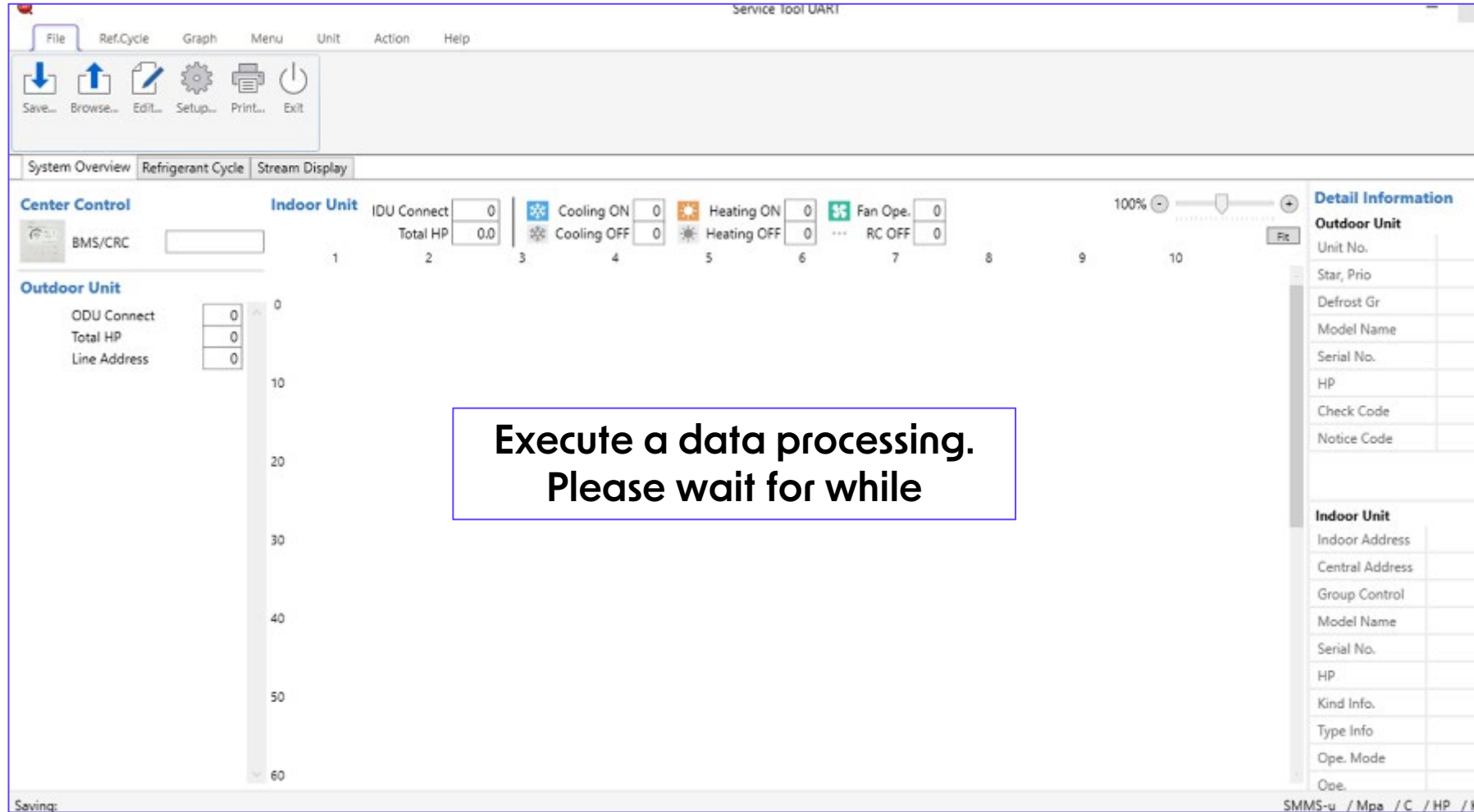
Start Ap, choose the button for the connected outdoor unit series, select com port setting.



Toshiba Carrier Link adapter

Start up Service Tool UART & Uv

When communication is possible or when browsing data a wait screen is displayed while the screen renders.



Toshiba Carrier Link adapter

Service Tool UART & Uv

When the screen has been rendered a system. Screen start display system overview

The screenshot displays the 'Service Tool UART' software interface. The title bar reads 'Service Tool UART'. The menu bar includes 'File', 'Ref.Cycle', 'Graph', 'Menu', 'Unit', 'Action', and 'Help'. The toolbar contains icons for 'Save...', 'Browse...', 'Edit...', 'Setup...', 'Print...', and 'Exit'. The 'System Overview' tab is selected and highlighted with a red box. Below the tabs, the 'Center Control' section shows 'BMS/CRC' and a text input field. The 'Outdoor Unit' section displays 'ODU Connect' (1), 'Total HP' (20), and 'Line Address' (1). The 'Indoor Unit' section shows 'IDU Connect' (3), 'Total HP' (3.3), and a grid of 10 units. The grid has columns 1-10 and rows 0-50. Units 1, 2, and 3 are highlighted in blue. Unit 1 shows '0.8', Unit 2 shows '1.25', and Unit 3 shows '1.25'. The 'Detail Information' section on the right is divided into 'Outdoor Unit' and 'Indoor Unit' sections, each with a table of fields.

Center Control

BMS/CRC

Outdoor Unit

ODU Connect: 1
Total HP: 20
Line Address: 1

Unit No. Star.Prio. Def.Gr
1 1 1
Check Code --- Capa.
Notice Code --- 20.0
Comp1
12.8

Indoor Unit

IDU Connect: 3
Total HP: 3.3

Cooling ON: 2
Cooling OFF: 0
Heating ON: 0
Heating OFF: 0
Fan Op.: 0
RC OFF: 1

100%

Detail Information

Outdoor Unit

Unit No.	
Star, Prio	
Defrost Gr	
Model Name	
Serial No.	
HP	
Check Code	
Notice Code	

Indoor Unit

Indoor Address	
Central Address	
Group Control	
Model Name	
Serial No.	
HP	
Kind Info.	
Type Info	

Toshiba Carrier Link adapter

Service Tool UART & Uv

Systems overviews display

Service Tool UART

FileRef.CycleGraphMenuUnitActionHelp

ON/OFF control

System OverviewRefrigerant CycleStre

Center Control

BMS/CRC

Outdoor Unit

ODU Connect1Total HP20Line Address1

Unit No.1Star.Prio.1Def.Gr1

Check Code---Capa.20.0

Notice Code---Comp10.0

Indoor Unit

IDU Connect3Total HP3.3

Cooling ON0Cooling OFF0

Heating ON0Heating OFF0

Fan Ope.0RC OFF3

0.8

1.25

1.25

102030

5060

100%

Fit

Detail Information

Outdoor Unit

Unit No.1Star, Prio.1Defrost Gr.1Model NameSerial No.HP20.0Check Code---

Indoor Unit

Type InfoC-Duct

Op. ModeCool

Op. OFF

RC ModeCool

RC Set Point18

RC Fan ModeHH (High)

RC Flap positionF2

Display status indoor operating

Display type indoor, how many indoor to connect, HP, status indoor operate.

Display outdoor unit connect in systems

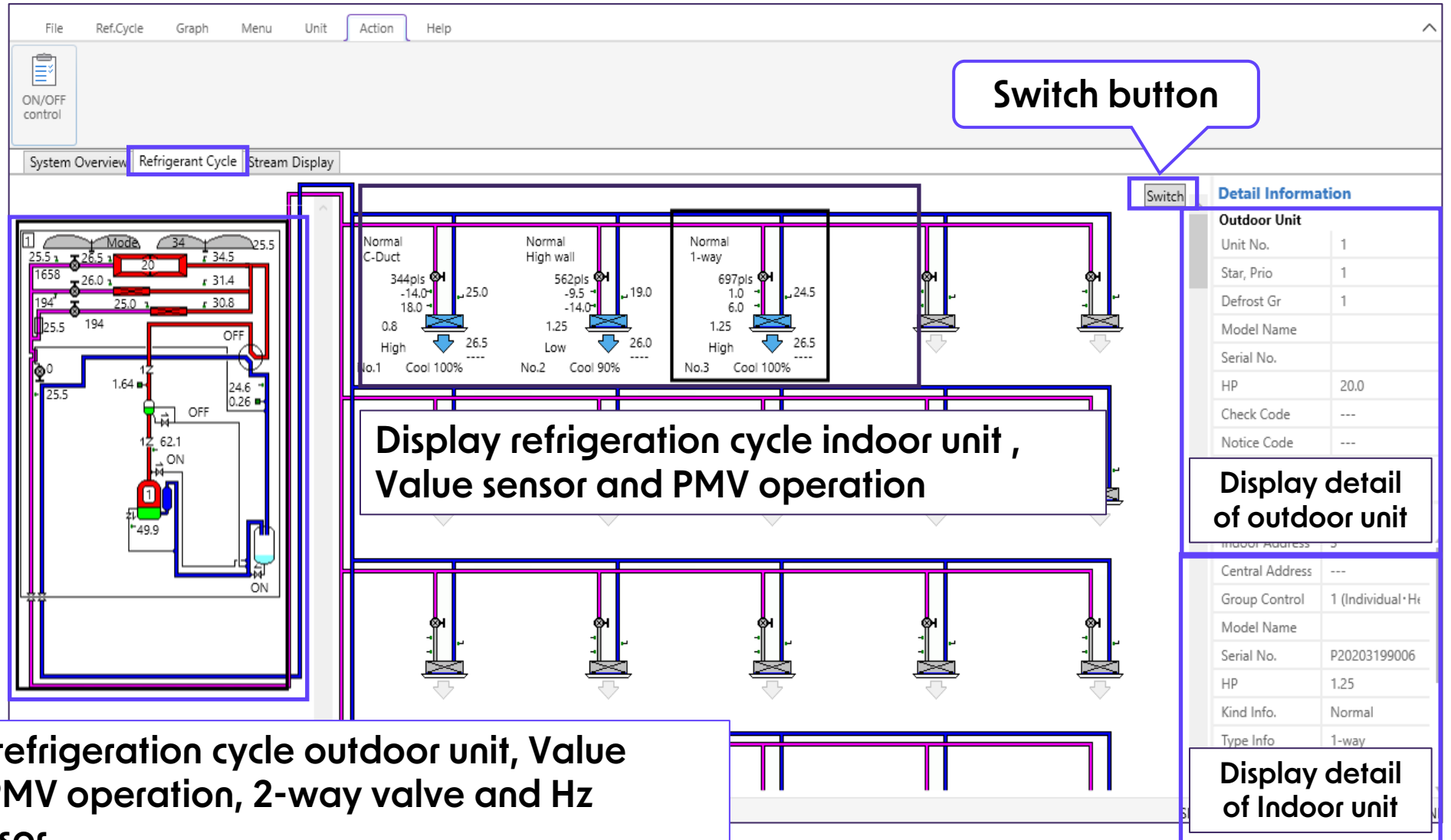
Display detail of outdoor unit

Display detail of Indoor unit

Toshiba Carrier Link adapter

Service Tool UART & Uv

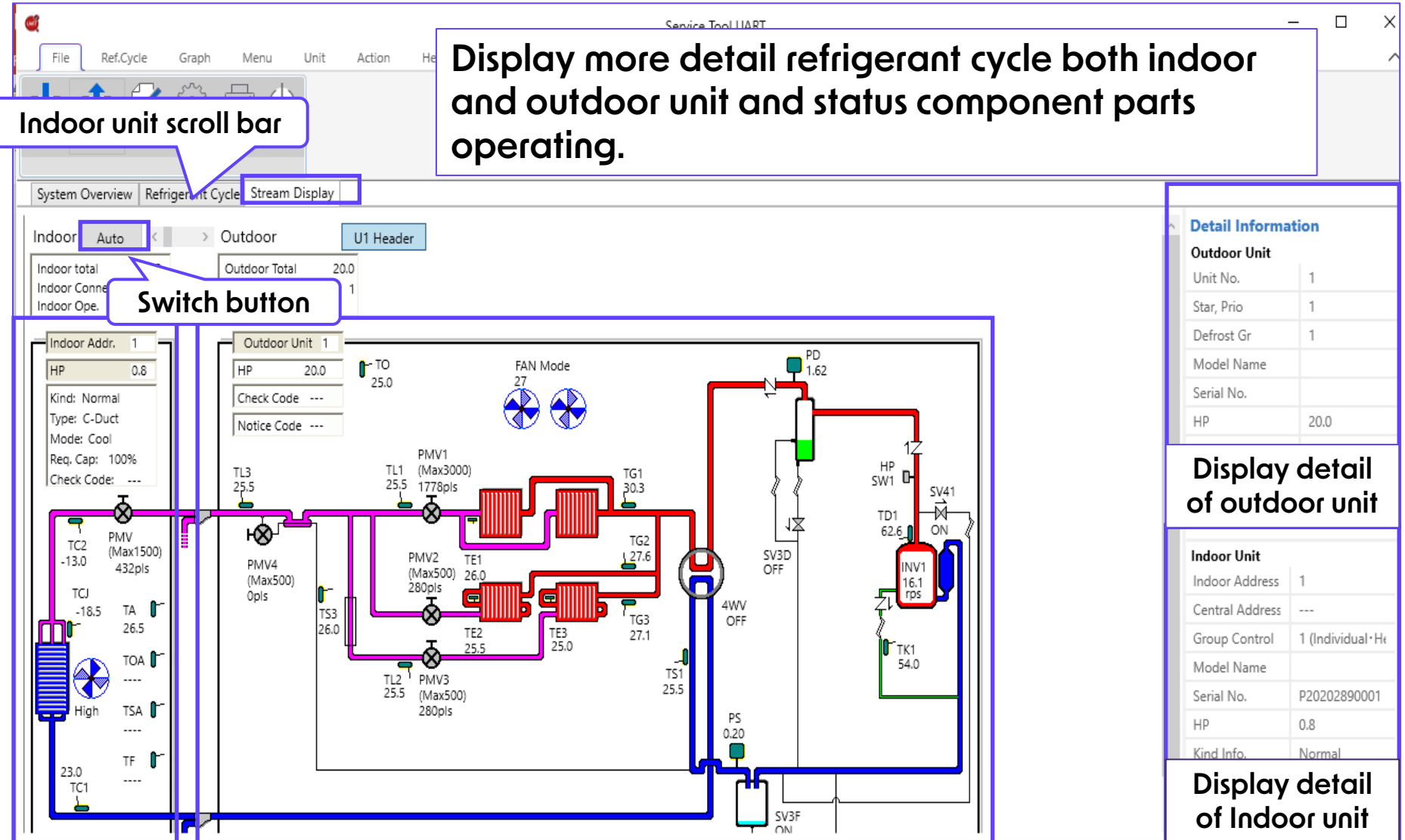
Refrigeration Cycle



Toshiba Carrier Link adapter

Service Tool UART & Uv

Flow display

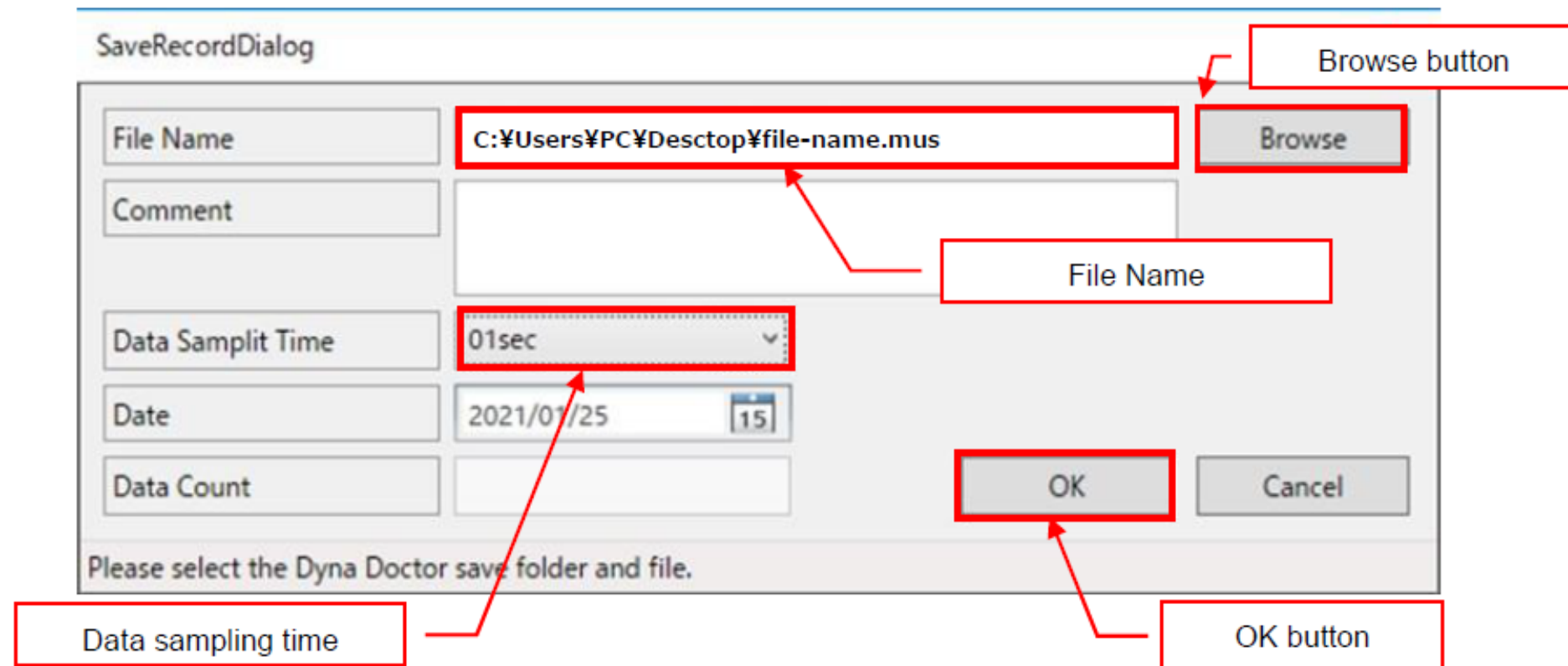
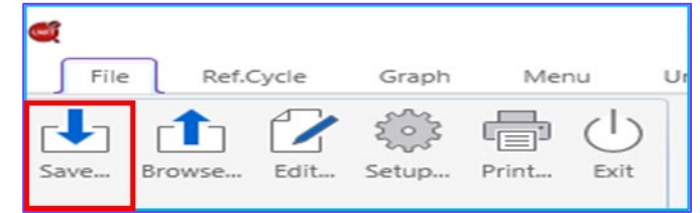


Toshiba Carrier Link adapter

File menu

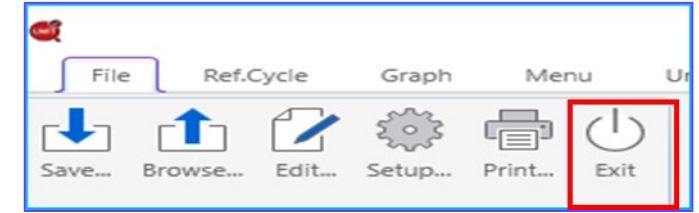
Saving received data

To choose the save destination, click the [Browse] button. A saving file dialogue is displayed. Choose a saving destination, the destination file path in the window.



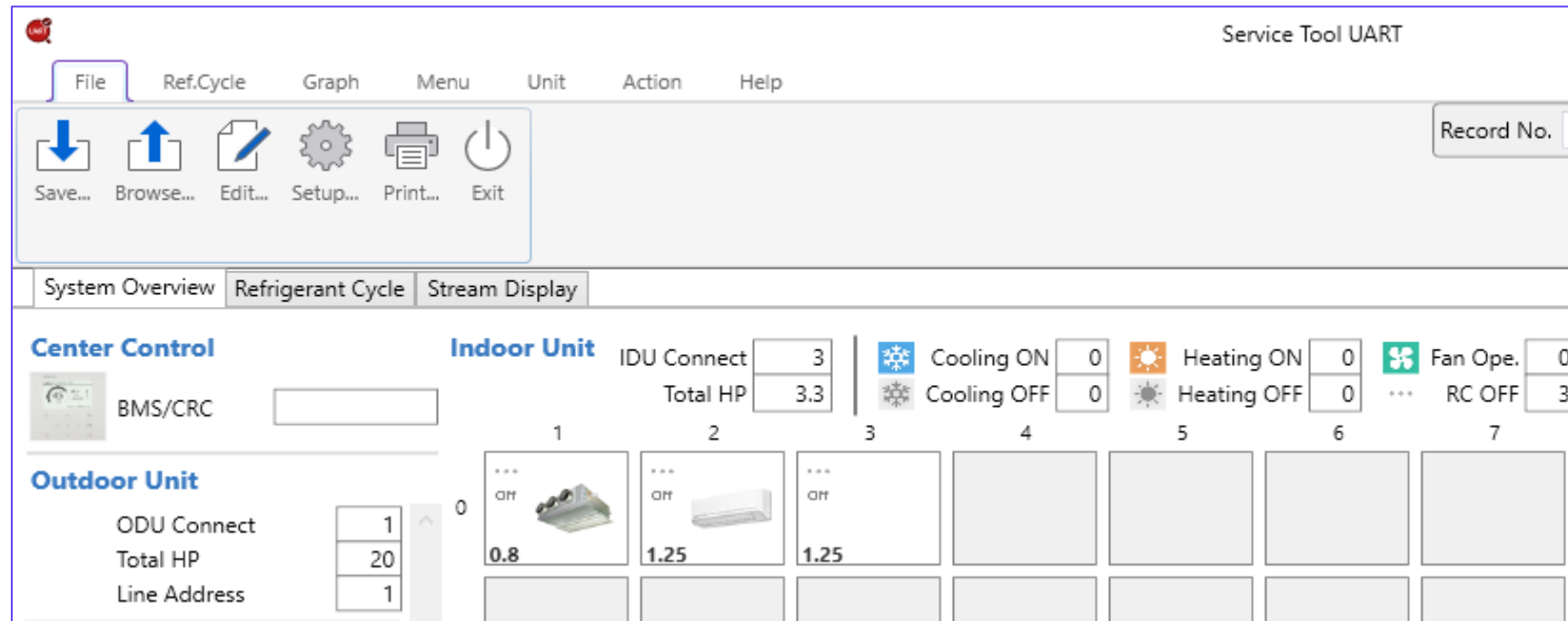
Toshiba Carrier Link adapter

File menu



Finishing communicating

To end communication with the outdoor unit or viewing data files, select [Exit] from the [File] tab.

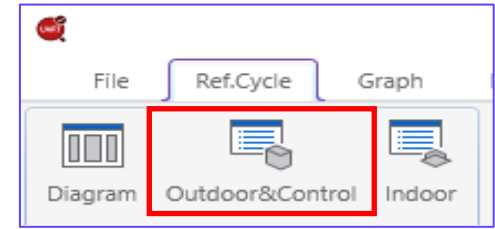


Toshiba Carrier Link adapter

Refrigerant Cycle

Displaying list data (Outdoor control)

List of system data of outdoor unit



Outdoor					
	U1 Header	U2 Follower1	U3 Follower2	U4 Follower3	U5 Follower4
Unit No.	1				
Star, Prio	1				
Defrost Gr	1				
Line address	1				
Model Name					
Serial No.					
HP	20				
Check Code	--- - FF(00)				
Pre-Check code	--- - FF(00)				
Notice Code1	---				
Notice Code2	---				
Notice Code3	---				
Notice Code4	---				
Notice Code5	---				
Comp1	21.8				
Comp2	0.0				
Fan	28				
Pd	1.66				
Ps	0.17				
---	---				
	U1 Header	U2 Follower1	U3 Follower2	U4 Follower3	U5 Follower4
PMV1	1796				
PMV2	296				
PMV3	296				
PMV4	0				
4way	OFF				
SV41	ON				
SV42	----				
SV3D	ON				
SV3F	OFF				

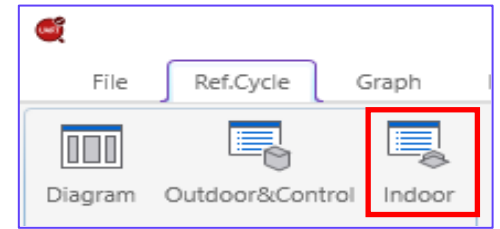
Control Info.		U1 Header
Thermo off or Indoor frost protection stop		0
Heating high heat exchanger temp stop		0
High Pressure stop (Pd sensor)		0
High Pressure release (Pd sensor)		0
Release protection		
High Pressure release (Pd sensor)		OFF
Discharge Temp. release		OFF
INV current release		OFF
Control current INV1 (A)		36.0
Operation current INV1 (A)		3.3
Operation current INV2 (A)		0.0
Heat sink overheat release		OFF
Defrost Control		
Defrost preparation (Heating)		OFF
During Defrost control (Cooling)		OFF
Defrost finish action (Cooling)		OFF
System Control		
Cooling start control		OFF
Heating start control		OFF
Oil recovery(Cooling mode)		OFF
Oil recovery(Heating mode)		OFF
Oil equalizing control		OFF
Outdoor capacity correction		
Status Over		OFF
Status Short		OFF
Total Control Step		65533
Optional Control		
Indoor Unit capacity correction factor		90%
Demand release		OFF
Demand release ratio		100%

Toshiba Carrier Link adapter

Refrigerant Cycle

Displaying list data (Indoor control)

List of system data of Indoor unit



Service Tool UART

Record No. 55 < > Time: 1.7 min Date & Time 21-Feb-22 5:32:59 PM

File Ref.Cycle Graph Menu Unit Action Help

Indoor

Indoor

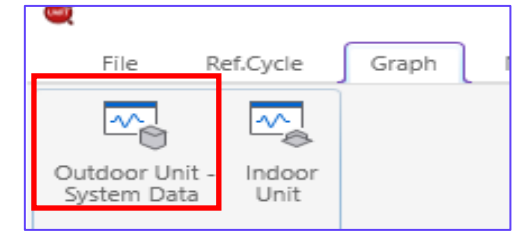
Indoor Address	Model Name	Serial No.	Kind	Type	HP	Operation Mode	Operation	RC				Freeze prevention Control	Requirement Capacity	Fan Mode	PMV	TC1	TC2	TCj	Room Temperature		
								Mode	Set Point	Fan Mode	Flap position								TA	TOA	TSA
1		P20203199006	Normal	1-way	1.25	Cool	ON	Cool	18	HH (High)	F2	0	100%	High	455	25.0	2.0	12.5	26.0	----	----
2		P20202890001	Normal	C-Duct	0.8	Cool	ON	Cool	18	HH (High)	F2	0	100%	High	388	25.0	7.5	21.0	26.0	----	----
3			Normal	High wall	1.25	Cool	ON	Cool	18	HH (High)	F2	0	100%	High	455	23.0	-16.0	-17.0	25.5	----	----

Toshiba Carrier Link adapter

Displaying Graphs

Displaying outdoor unit graphs

The items to be displayed on the graph can be chosen in the outdoor unit graph items selection display maximum 9 items.

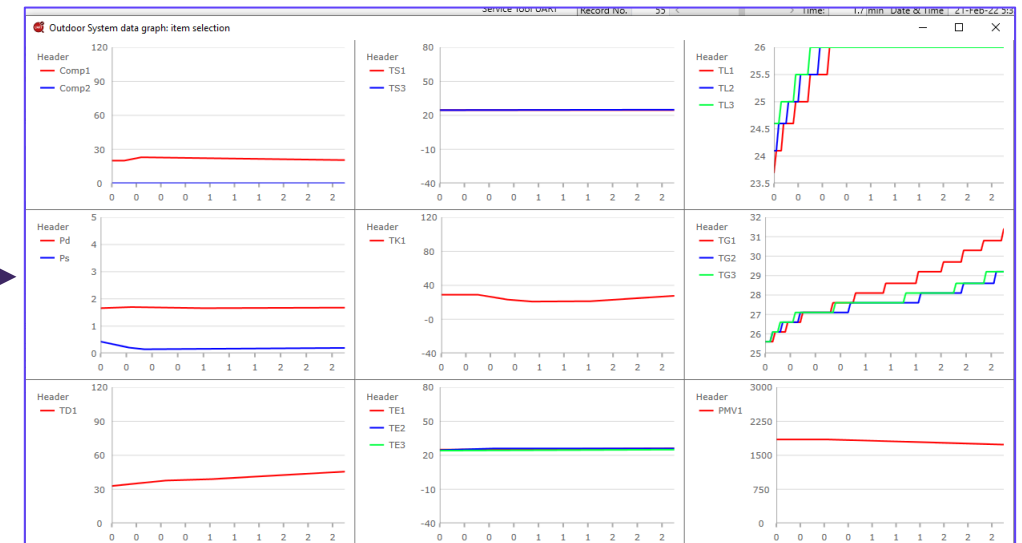


Outdoor System data graph: item selection

Check	Header unit	Check	Follower 1 unit	Check	Follower 2 unit	Check	Follower 3 unit	Check	Follower 4 unit
☒	Comp Hz 1	☐	Comp Hz	☐	Comp Hz	☐	Comp Hz	☐	Comp Hz
☒	Pressure sensor 2	☐	Pressure sensor	☐	Pressure sensor	☐	Pressure sensor	☐	Pressure sensor
☒	TD sensor 3	☐	TD sensor	☐	TD sensor	☐	TD sensor	☐	TD sensor
☒	TS sensor 4	☐	TS sensor	☐	TS sensor	☐	TS sensor	☐	TS sensor
☒	TK sensor 5	☐	TK sensor	☐	TK sensor	☐	TK sensor	☐	TK sensor
☒	TE sensor 6	☐	TE sensor	☐	TE sensor	☐	TE sensor	☐	TE sensor
☒	TL sensor 7	☐	TL sensor	☐	TL sensor	☐	TL sensor	☐	TL sensor
☒	TG sensor 8	☐	TG sensor	☐	TG sensor	☐	TG sensor	☐	TG sensor
☒	PMV1 open ratio 9	☐	PMV1 open ratio	☐	PMV1 open ratio	☐	PMV1 open ratio	☐	PMV1 open ratio
☐	PMV2,3,4 open ratio	☐	PMV2,3,4 open ratio	☐	PMV2,3,4 open ratio	☐	PMV2,3,4 open ratio	☐	PMV2,3,4 open ratio
☐	TO sensor	☐	TO sensor	☐	TO sensor	☐	TO sensor	☐	TO sensor
☐	4W-Valve/SV3D/SV3F	☐	4W-Valve/SV3D/SV3F	☐	4W-Valve/SV3D/SV3F	☐	4W-Valve/SV3D/SV3F	☐	4W-Valve/SV3D/SV3F
☐	SV41/SV42	☐	SV41/SV42	☐	SV41/SV42	☐	SV41/SV42	☐	SV41/SV42
☐	Outdoor Fan mode	☐	Outdoor Fan mode	☐	Outdoor Fan mode	☐	Outdoor Fan mode	☐	Outdoor Fan mode
☐	Indoor signal								

Select max 9 items.

OK Cancel



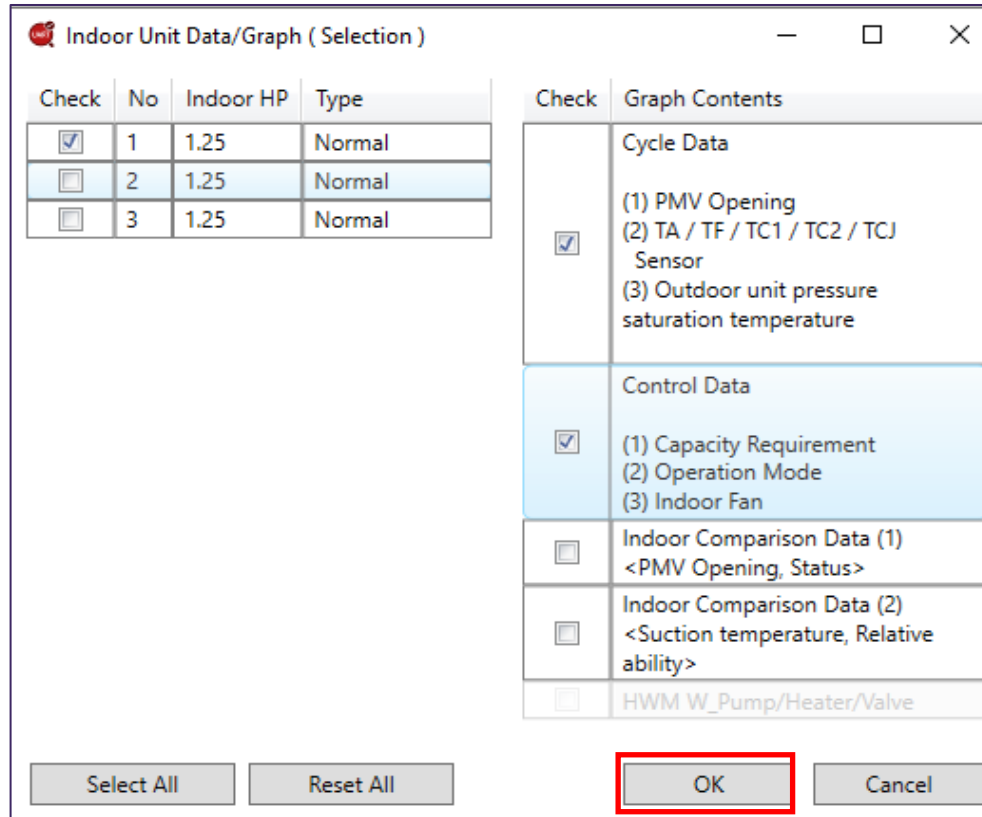
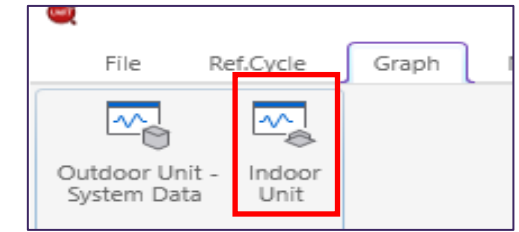
Select the desired item and click the [OK] button awaiting the screen is displayed while graphs are rendered.

Toshiba Carrier Link adapter

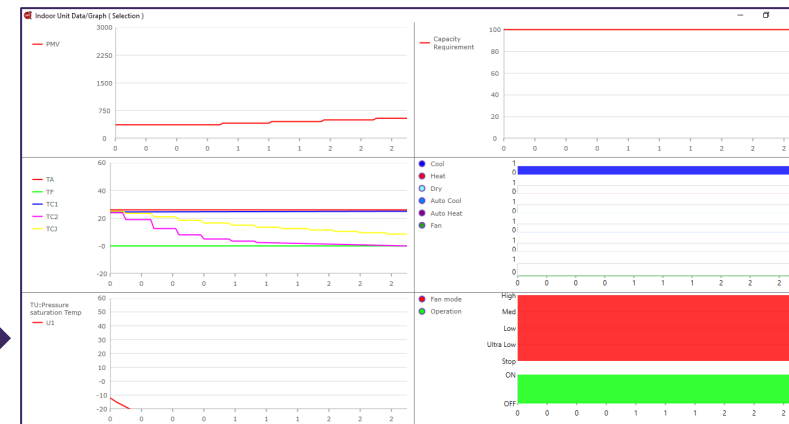
Displaying Graphs

Displaying indoor unit graphs

To display graphs for individual indoor units, select 1 indoor unit, and cycle data/control data.



Select the desired item and click the [OK] button awaiting the screen is displayed while graphs are rendered.



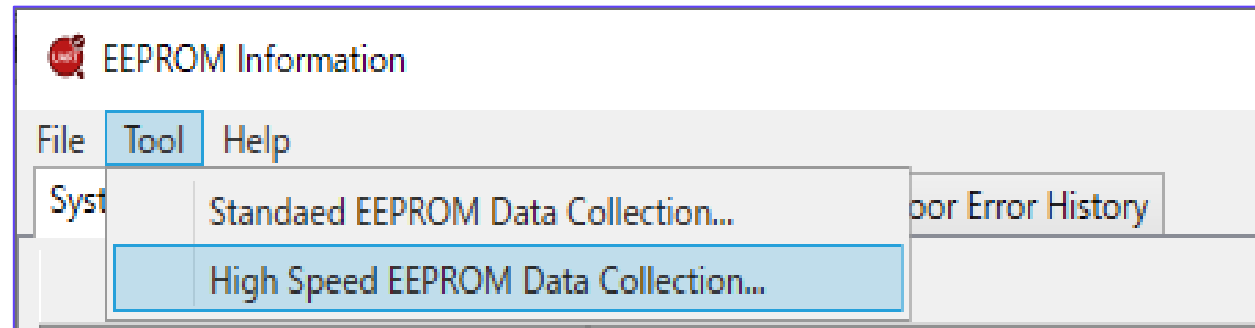
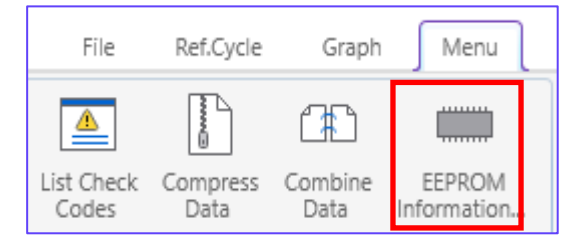
Toshiba Carrier Link adapter

Menu – EEPROM Information

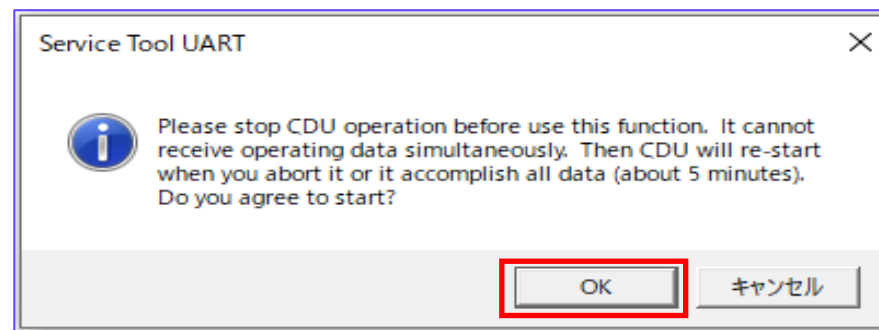
Recovery operation history data

Select [Tool] and [High Speed EEPROM Data Collection] to take history data.

- High Speed: It is to take history data. CDU needs to be stopped. It takes about 5 minutes.
- Standard: It is to take operating data. CDU can operate. It takes about 1.5 hours.



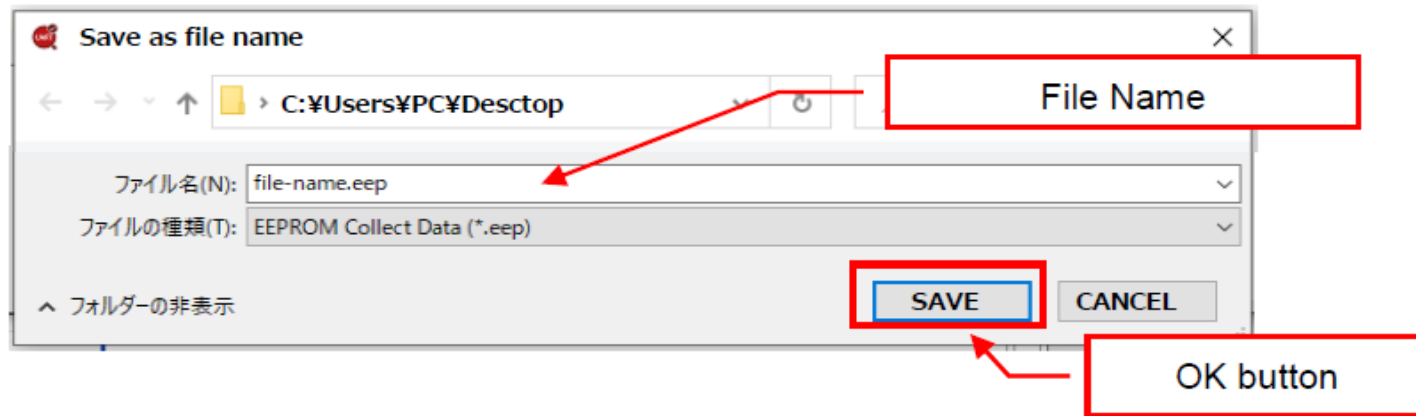
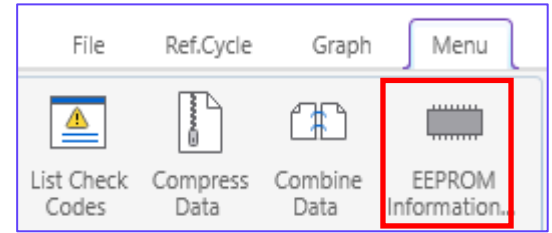
Please check CDU having stopped. Please be known CDU needs to stop during this program.



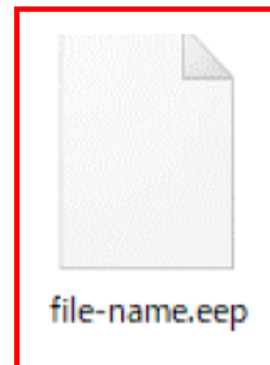
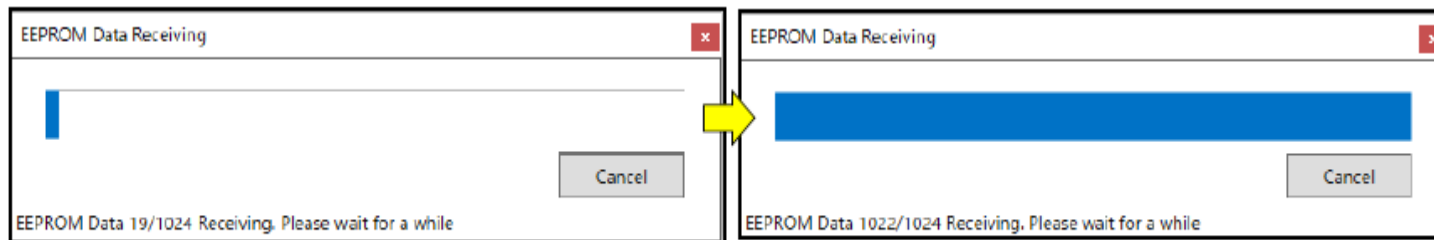
Toshiba Carrier Link adapter

Menu – EEPROM Information

Select the folder save as ".eep" file.



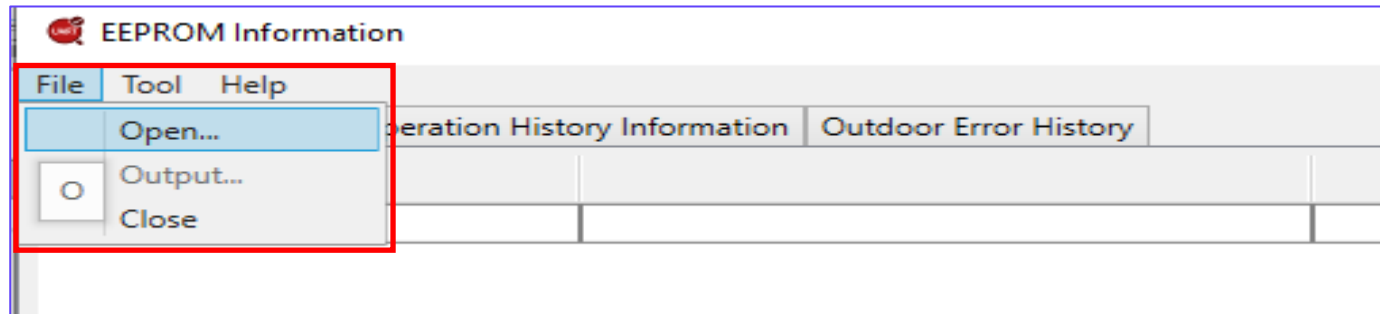
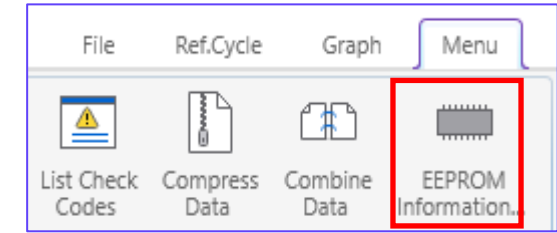
Program starts and it takes about 5 minutes or more.



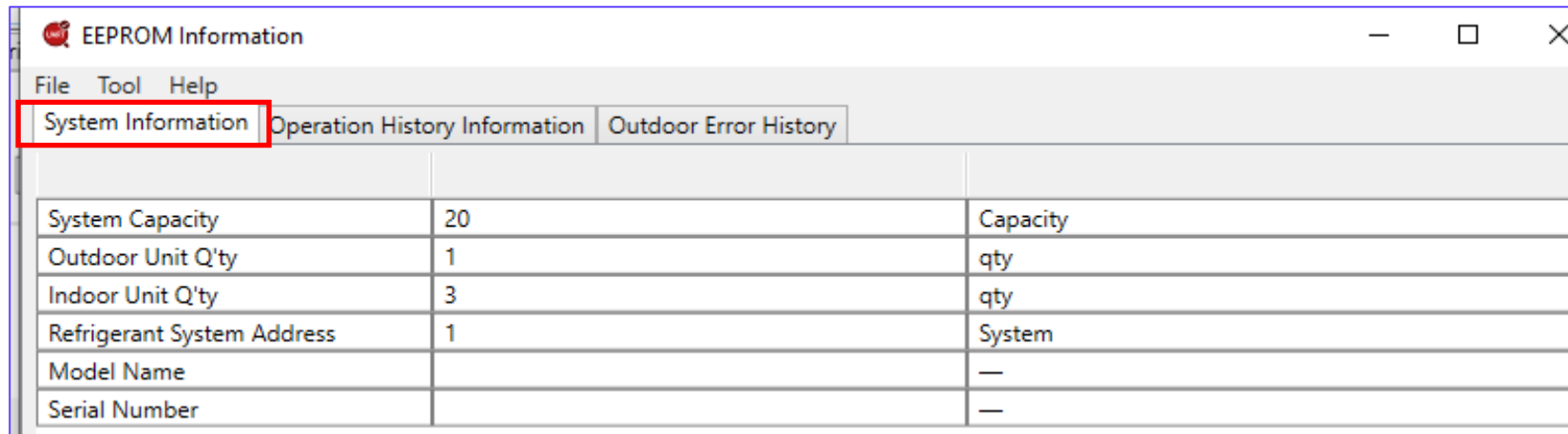
Toshiba Carrier Link adapter

Menu – EEPROM Information

Open file saving



System Information

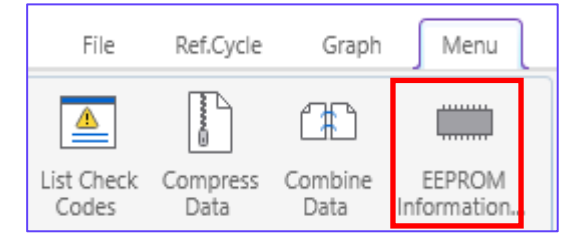


Show detail systems information

Toshiba Carrier Link adapter

Menu – EEPROM Information

Show detail operation history information

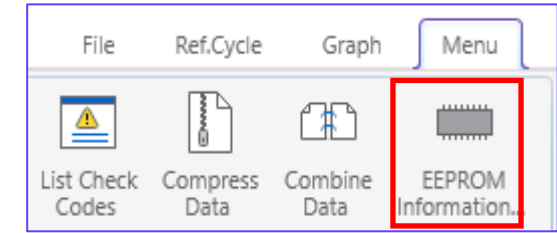


File Tool Help				
System Information Operation History Information Outdoor Error History				
	Total Operating Time		Total Operation count	
Outdoor unit Power ON Time	112	Hour	—	—
Operating	28	Hour	31	count
U1(Header Unit) Comp ON Time	24	Hour	32	count
U2(Follower Unit 1) Comp ON Time	0	Hour	—	—
U3(Follower Unit 2) Comp ON Time	0	Hour	—	—
U5(Follower Unit 4) Comp ON Time	0	Hour	—	—
STOP	84	Hour	—	—
ALL Cooling	24	Hour	32	count
ALL Heating	0	Hour	3	count
Mainly Cooling	0	Hour	0	count
Mainly Heating	0	Hour	0	count
U1(Header Unit) Comp 1 ON Time	24	Hour	32	count
U1(Header Unit) Comp 2 ON Time	0	Hour	0	count

Toshiba Carrier Link adapter

Menu – EEPROM Information

Show detail outdoor when error occurs



EEPROM Information

File Tool Help

System Information Operation History Information Outdoor Error History

Single View List View

To checking error from latest to 9 time

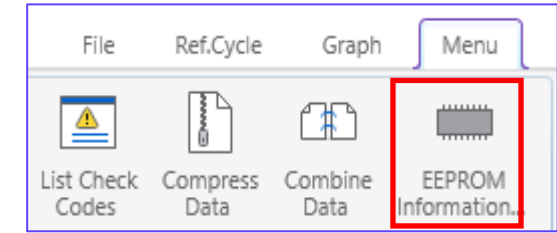
Latest << >>

Error Code	L08	4WV1	OFF
Error Sub Info1	FF	4WV2	OFF
Error Sub Info2	0	MG-SW	ON
TD1	26.5	External Output1	ON
TD2	----	External Output3	ON
TE1	26.5	External Output2	ON
TE2	26.0	Demand Control	OFF
TE3	26.0	SV3F	OFF
TS1	26.5	SV3D	OFF
TS2	----	SV41	OFF
TS3	26.5	SV42	OFF
TL1	26.0	Bottom Heater	OFF
TL2	26.5	Accumlater Heater	OFF
TL3	26.5	Case Heater1	OFF
TG1	26.5	Case Heater2	OFF
TG2	26.5	SV2	OFF
TG3	26.5	ALL	OFF

Toshiba Carrier Link adapter

Menu – EEPROM Information

List view : Screen display show column error occurs from last to maximum 9 times.



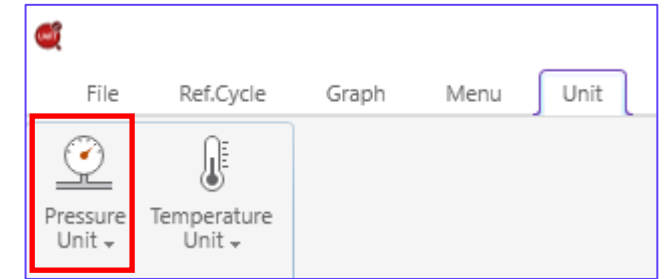
The screenshot shows the 'EEPROM Information' window with the 'List View' button selected. The window contains a table with 8 columns: 'Error Code', 'Latest', '1 time before', '2 time before', '3 time before', '4 time before', '5 time before', and '6 time before'. The table lists various error codes and their occurrence counts over time. The 'Error Code' column includes L08, Error Sub Info1, Error Sub Info2, TD1, TD2, TE1, TE2, TE3, TS1, TS2, TS3, TL1, TL2, TL3, TG1, and TG2. The 'Latest' column shows L08 for Error Code, FF for Error Sub Info1 and Error Sub Info2, and various numerical values for the other codes. The other columns show the same data for previous occurrences. The 'TE1' row is highlighted in blue.

	Latest	1 time before	2 time before	3 time before	4 time before	5 time before	6 time before
Error Code	L08	L08	L08	L08	L08	L08	L08
Error Sub Info1	FF	FF	FF	FF	FF	FF	FF
Error Sub Info2	0	0	0	0	0	0	0
TD1	26.5	52.5	53.5	43.0	46.5	45.0	26.5
TD2	----	----	----	----	----	----	----
TE1	26.5	25.5	25.0	25.5	26.0	25.5	23.5
TE2	26.0	24.0	23.5	23.5	24.0	23.5	23.0
TE3	26.0	23.0	23.0	23.0	23.5	23.5	22.5
TS1	26.5	20.0	23.0	27.0	28.0	28.0	24.0
TS2	----	----	----	----	----	----	----
TS3	26.5	22.0	24.5	25.0	25.5	25.5	23.5
TL1	26.0	23.0	22.5	24.5	24.5	24.5	23.5
TL2	26.5	3.0	8.0	20.0	8.0	17.5	23.0
TL3	26.5	5.0	11.0	19.0	16.5	17.5	23.0
TG1	26.5	33.5	30.5	29.0	33.0	30.5	24.5
TG2	26.5	30.5	28.5	27.0	30.0	28.5	24.0

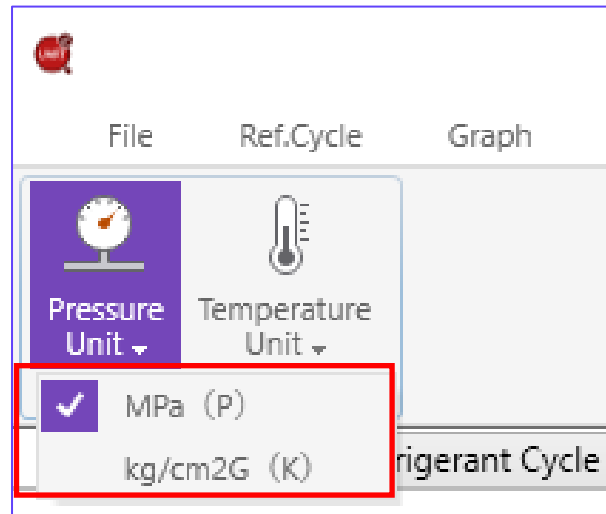
Toshiba Carrier Link adapter

Measurement Units

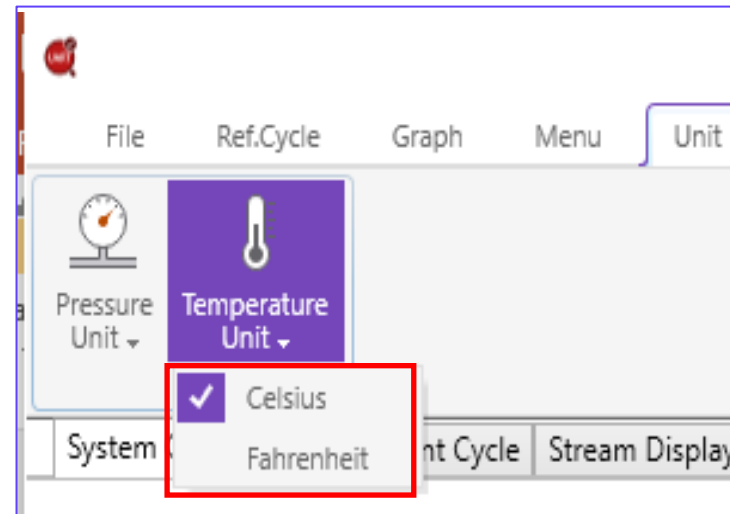
Changing measurement unit



Changing pressure unit



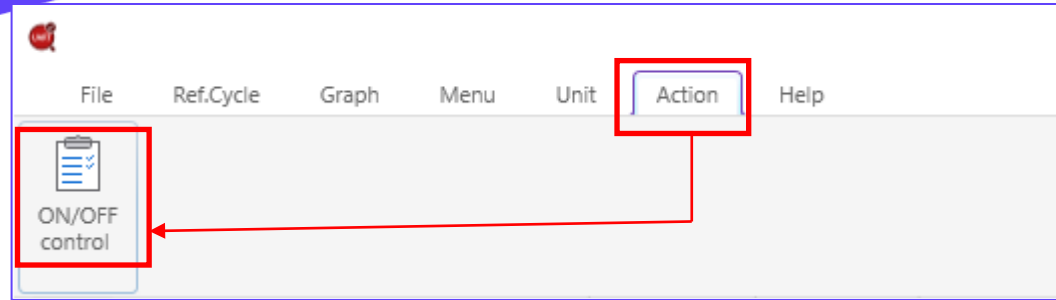
Changing temperature unit



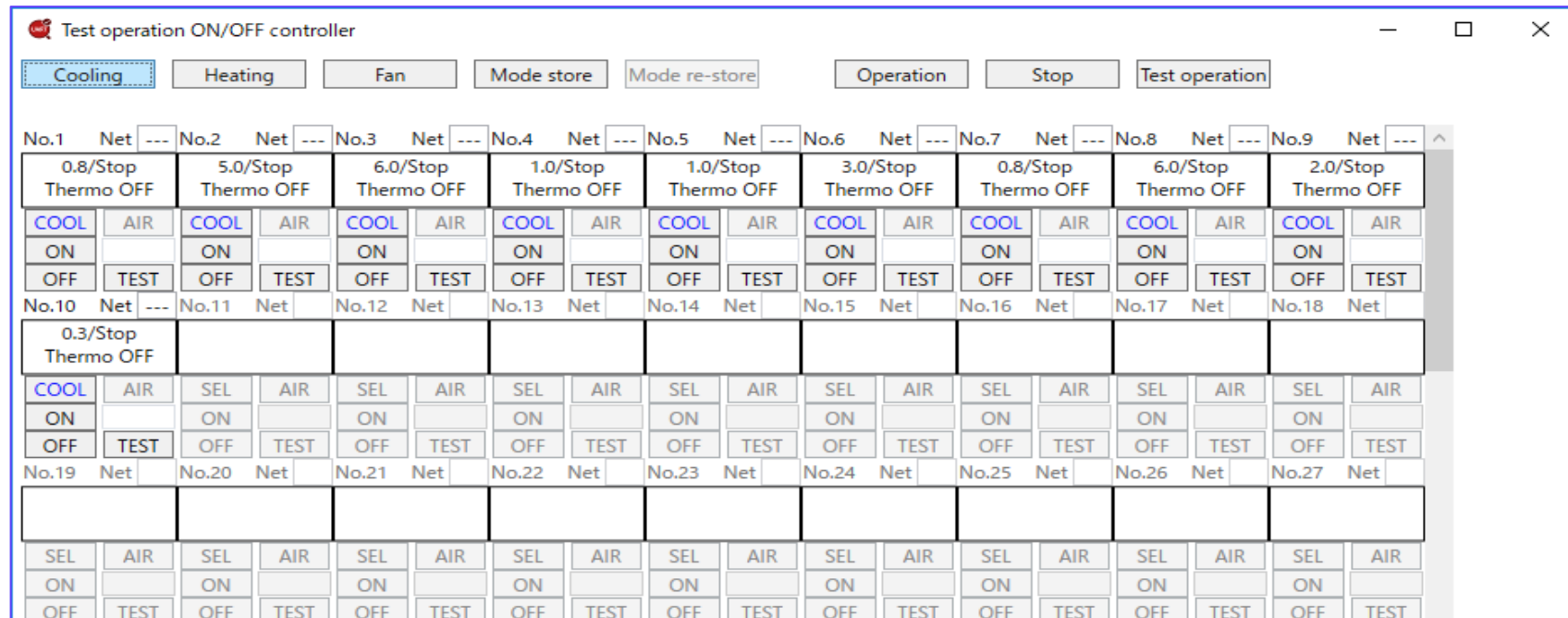
Toshiba Carrier Link adapter

System Control

ON / OFF Control



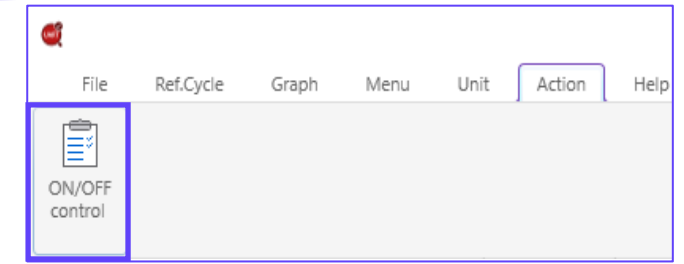
When the ON/OFF window opens, controls for operating the connected indoor units are displayed. Unconnected indoor unit controls cannot be operated.



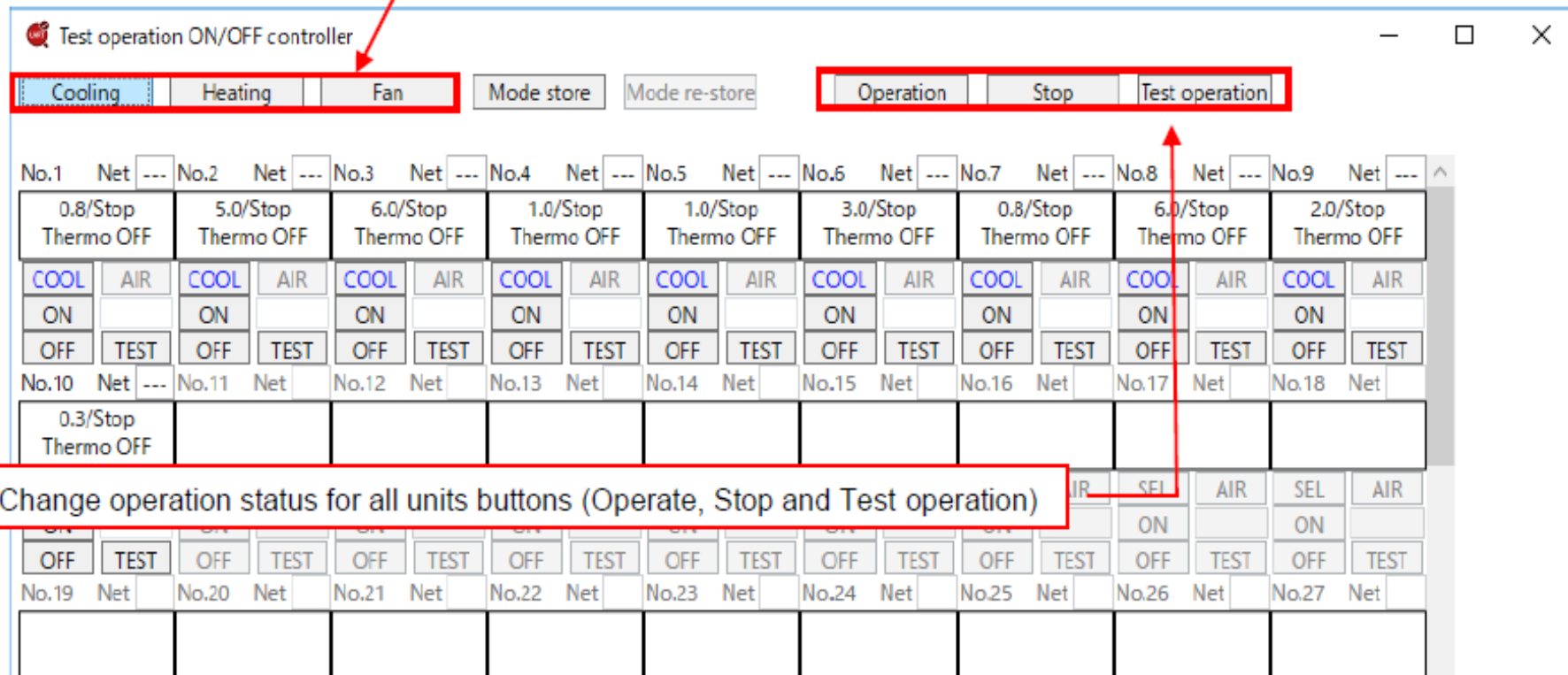
Toshiba Carrier Link adapter

System Control

Changing the operation mode for all units.



Change mode for all units buttons (Cooling, Heating and Fan)



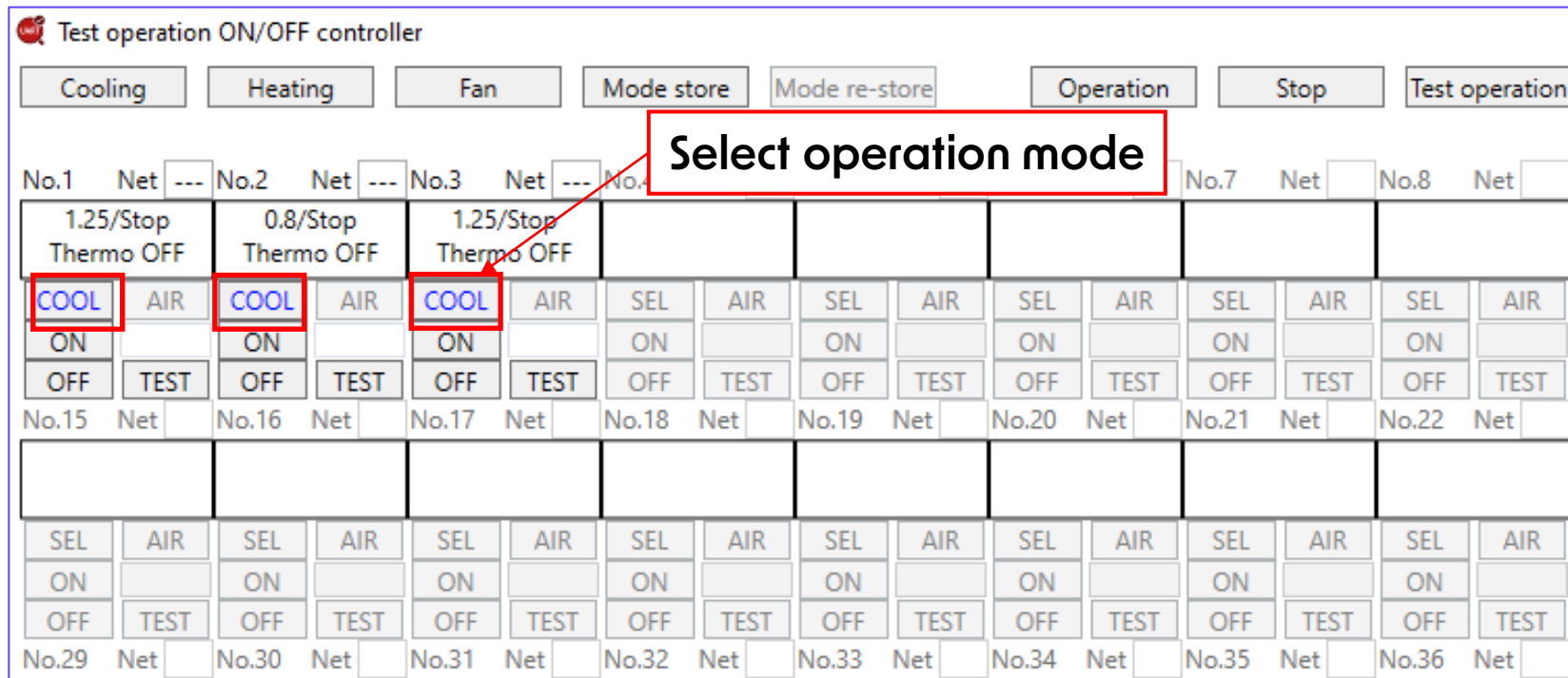
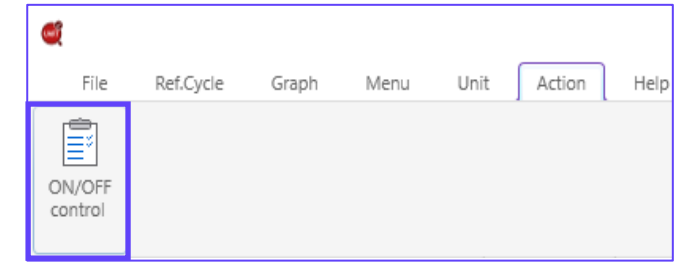
Change operation status for all units buttons (Operate, Stop and Test operation)

Toshiba Carrier Link adapter

System Control

Changing operation mode for individual units.

Click the select operation mode button (initially displayed as SEL) to switch between operation modes in the following order: [Cooling] ⇒ [Heating] ⇒ [Fan]. Click the [ON], [OFF] or [TEST] button



System Control

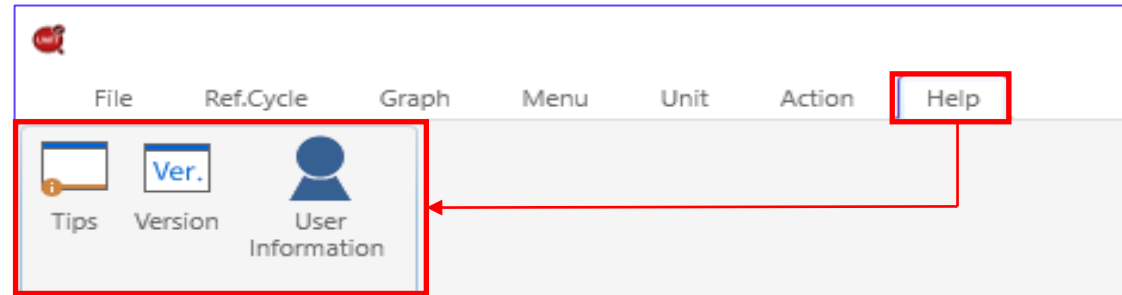


Click the [Mode store] button to save the current indoor unit's operation mode. When the [Mode store] button is clicked, the current indoor unit operation mode is saved.



Toshiba Carrier Link adapter

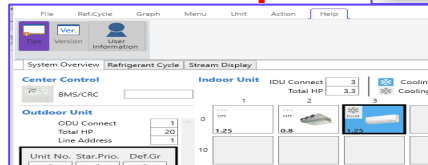
Finding Help



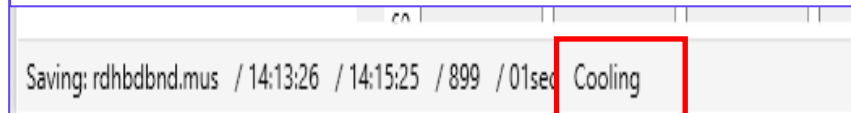
Version information

The License Authentication dialog box contains the following fields and values:
Country(*) Thailand
Company Name(*) TOSHIBA CARRIR THAILAND
User Name(*) PLUBPLA SOMTONG
E-Mail address(*) plubpla1.somtong@tctc.toshiba.co.jp
Division SET Section
JOB Title Sale training
Telephone(*) +6620213100
An About License Information button is at the bottom right.

**Registration request
information**



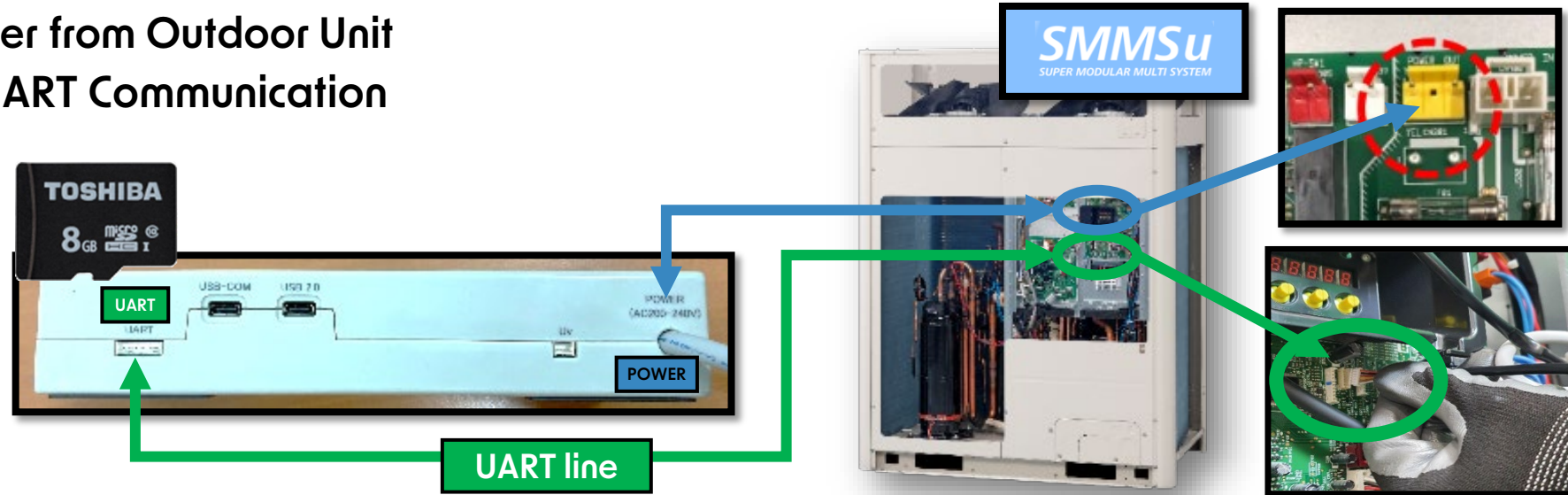
**When Tips are turned on, system operation
information is displayed in the status bar.**



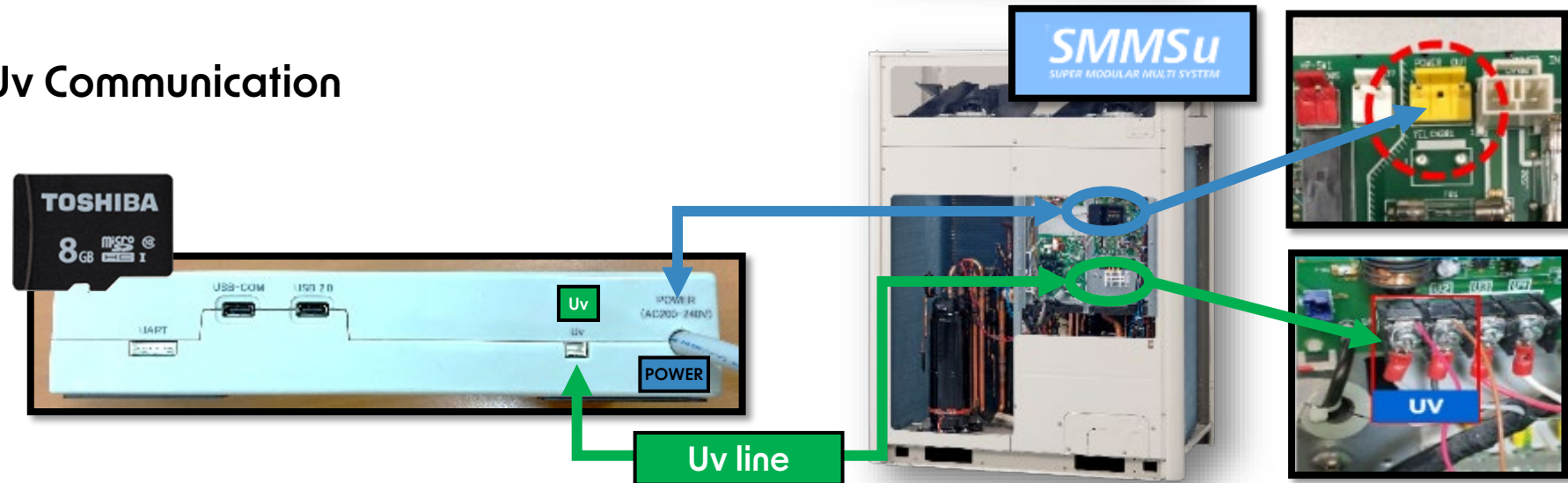
Toshiba Carrier Link adapter

Logging Function for save data in micro-SD card without connect PC

Powering Link adapter from Outdoor Unit
UART Communication



Uv Communication



Toshiba Carrier Link adapter

Logging Function for save data in micro-SD card without connect PC

Powering Link adapter from Indoor Unit

When using the power cable



Link adapter



Power cable

Input power supply 220-240VAC from IDU PCB CN309



4-way, etc.



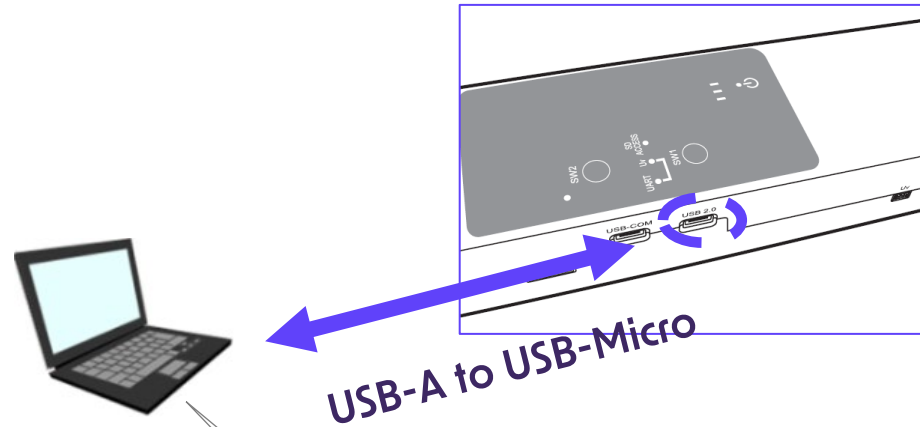
Floor standing, etc.

CN309 Power Supply
○ = for Link adaptor
connection

Each Indoor unit should have a CN309 on it's Main PCB.

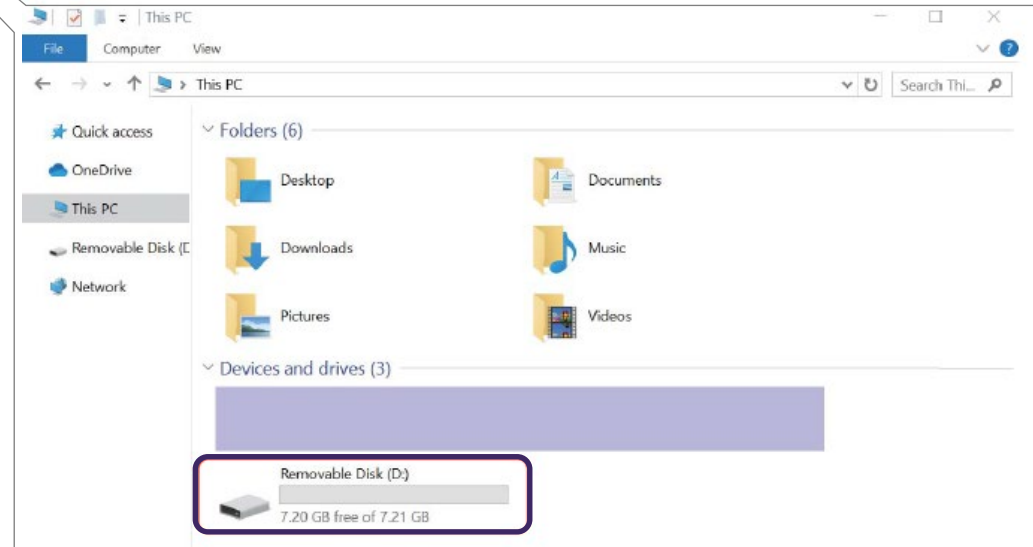
Toshiba Carrier Link adapter

Logging Function for save data in micro-SD card without connect PC



PC

The data in the micro-SD card can be recognized by Explorer on a Windows PC.



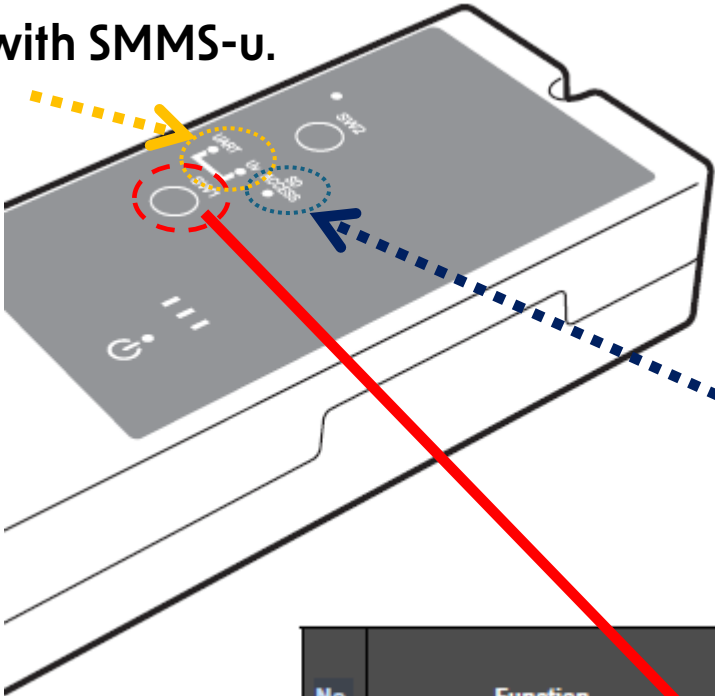
USB Type A USB Micro

Toshiba Carrier Link adapter

Logging Function for save data in micro-SD card without connect PC

LED flashes while communicating with SMMS-u.

UART	Uv
	
UART	Uv
	



No.	Function	Setting			SD ACCESS indicator LED	
		Operation button	What to do	Operation	Before setting	After setting
5	UART/Uv line communication logging * Logging cannot be performed for the UART and Uv lines simultaneously.	SW1 [SD write operation switch]	Press down the button for 4 seconds or more.	Start of logging	Off 	Blink at 0.5-second intervals 
			Press down the button for 4 seconds or more while the SD ACCESS indicator LED is blinking.	Stop of logging	Blink 	Off 



**Go Above.
Think Beyond.**