



Service Diagnostic Tool
Simplified Service Diagnosis for our partners



BLUETOOTH SERVICE CHECKER

Trouble-shooting Made Easy with Daikin Bluetooth Checker

- Pocket size & Lightweight
- Connectable with mobile devices such as smartphones & Ipad
- Applicable to all Daikin equipment (VRV, SkyAir & Split Unit Inverter Type)



D-Checker

Part # 999187T

- The Daikin D-Checker software is used for monitoring and recording operation data of HVAC equipment using a connection cable exclusive to D-Checker.
 - Data/status items that are supported by this software differ from model to model.
- D-Checker transmits operating data from an HVAC system through a PCB connector on the outdoor unit to a mobile device.

NOTE: Data monitoring/recording of multiple outdoor units is not supported.



Connection Procedure

71

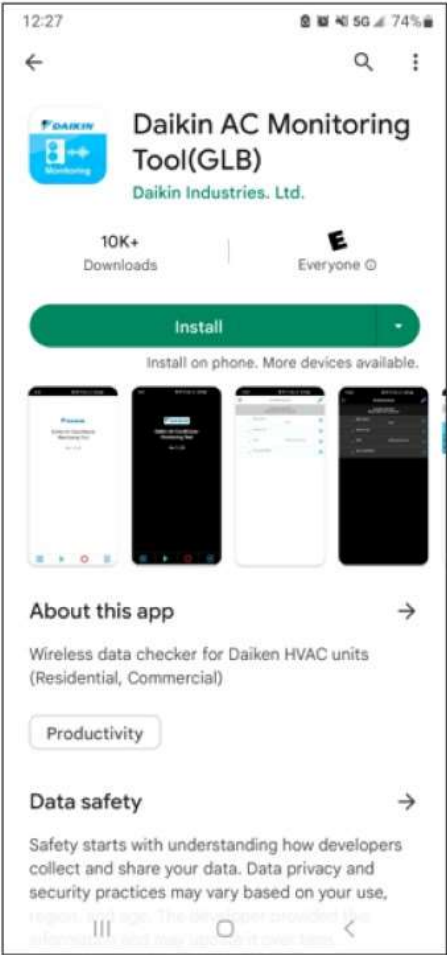
76

- Be sure to power down the equipment to ensure safety.
- Connect BTSC/i2S to the PCB (X-41A)
 - Large chassis: 5-pin connection harness
 - Small chassis: 7-pin connection harness
- BTSC/i2S will have an LED blinking every 0.5 seconds if operational


















D-Checker
port



Download the Daikin AC Monitoring Tool App

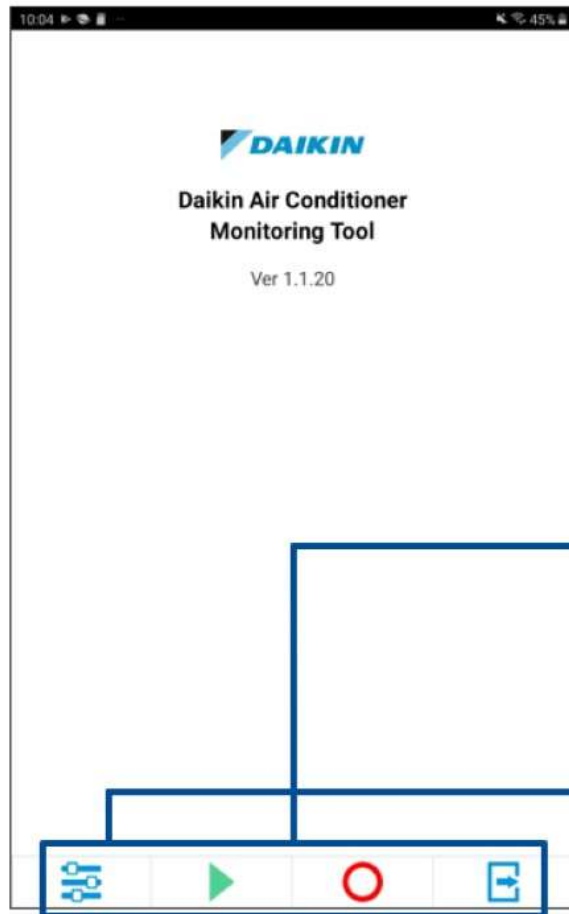


Main Menu Legend

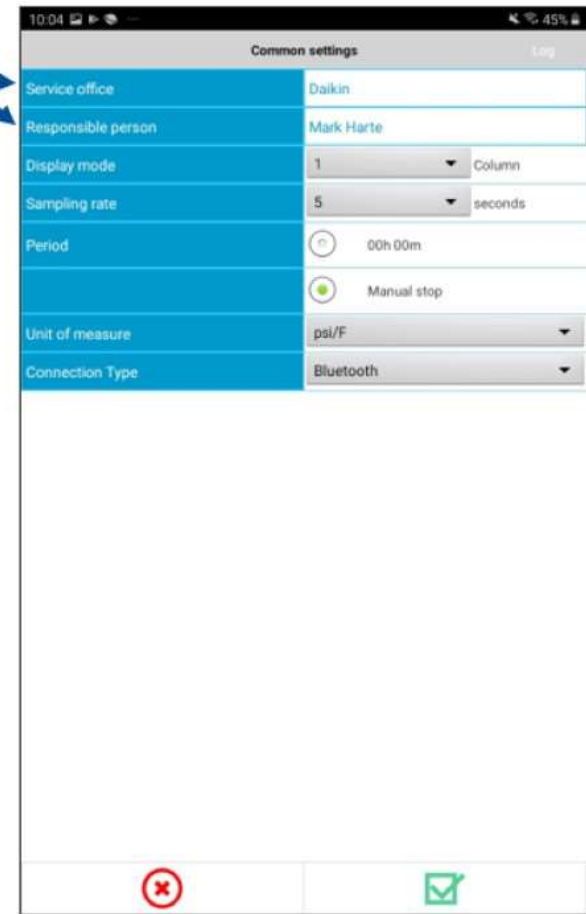
	Options, settings		Back		Edit data		Connect (protocol check)
	To playback mode		Cancel		Select all data		Stop recording
	To record mode, start recording			OK		Send selected data	
	Exit app		Show graph (play mode only)		Delete selected data		
	To main menu		Change view (tab/one page)		Scan Bluetooth devices		

Icons

App Common Settings (Options)

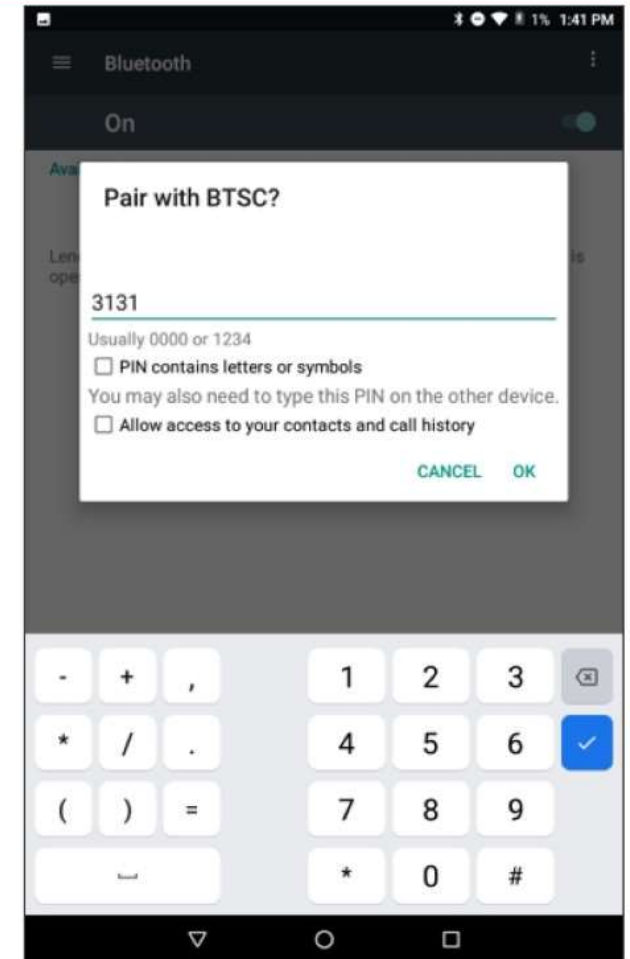
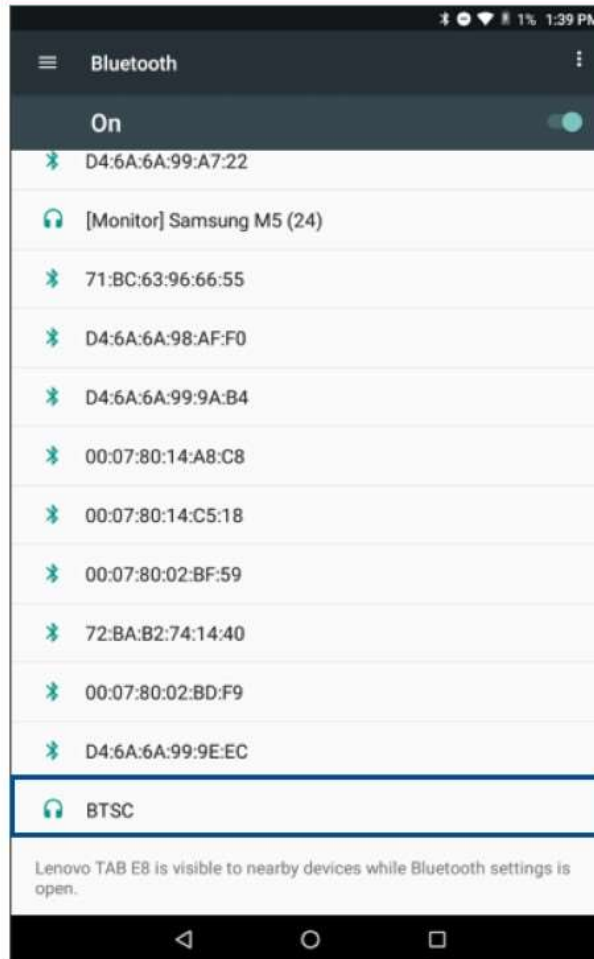


All menus will be available after service office and responsible person entered

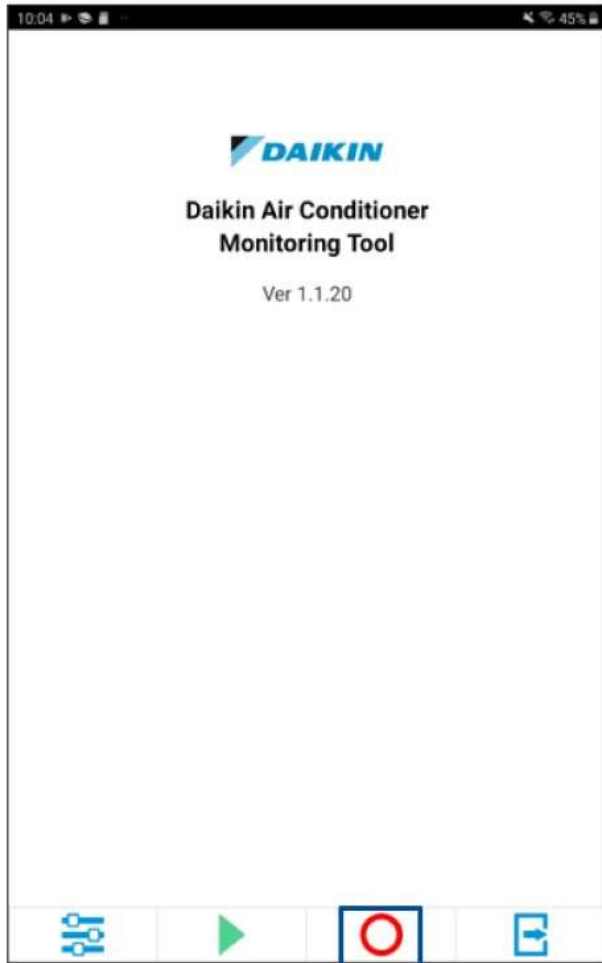


Pairing the Bluetooth D-checker

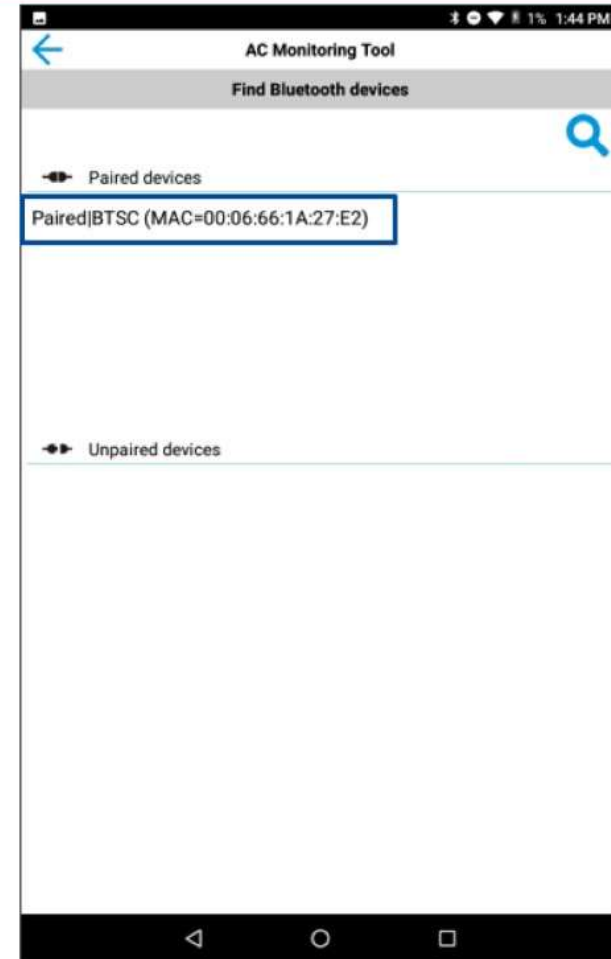
- Open device Bluetooth setting and locate BTSC to pair.
- Selecting BTSC in the Bluetooth setting will prompt you to enter the PIN “3131”



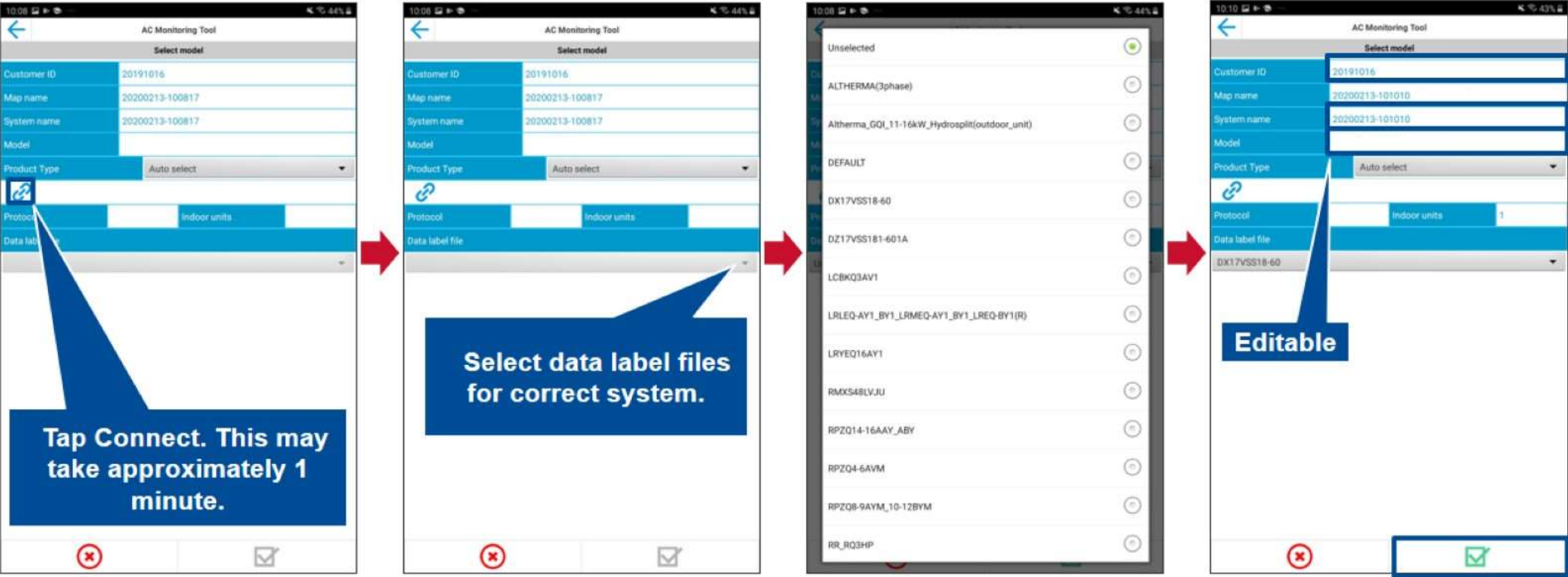
Pairing the Bluetooth D-checker



Tap record icon



Pairing the Bluetooth D-checker with the Equipment



Viewing Data

10:11 AC Monitoring Tool

20191016 Err:0

00:00:00 Protection:OFF

Basic data Control Sensor Actuator Indoor unit

Operation mode	Cooling
Outdoor temp.	68.0 (F)
Discharge temp.	101.8 (F)
Suction temp.	54.9 (F)
High pressure	226.1 (psi)
Low pressure	112.4 (psi)
INV current	2.4
INV frequency	31

Navigation icons: [Line graph], [Gears], [Double arrows], [Red circle], [Home]



10:13 AC Monitoring Tool

20191016 Err:0

00:01:25 Protection:OFF

Basic data

Operation mode	Cooling	Outdoor temp.	68.0 (F)
Discharge temp.	104.2 (F)	Suction temp.	59.2 (F)
High pressure	226.1 (psi)	Low pressure	113.8 (psi)
INV current	2.4	INV frequency	31

Control

Sensor

Actuator

Indoor unit

Indoor address	0
IDU op. mode[s]	Cooling
Therm. on/off[s]	ON
Error code[s]	00
R/C setpoint[s]	32.0 (F)
IDU air temp. [s]	32.0 (F)
IDU lg. temp. [s]	32.0 (F)
IDU gas temp. [s]	32.0 (F)
IDU EV[psi][s]	132
R/C therm temp[s]	32.0 (F)
Request CFM(x10)	42
Present CFM(x10)	41
Indoor pressure	7.8

Navigation icons: [Line graph], [Gears], [Double arrows], [Blue circle], [Home]



10:13 AC Monitoring Tool

20191016 Err:0

00:01:35 Protection:OFF

Basic data

Operation mode	Cooling	Outdoor temp.	68.2 (F)
Discharge temp.	104.5 (F)	Suction temp.	59.4 (F)
High pressure	226.1 (psi)	Low pressure	113.8 (psi)
INV current	2.4	INV frequency	31

Control

Op mode	Cooling	Therm. on/off	ON
Restart standby	OFF	Startup ctrl	OFF
Defrost op.	OFF	Oil ret op.	OFF
Pres eq. operation	OFF	Demand signal	OFF
Low noise ctrl.	OFF	Freeze protection	OFF
Error type	Normal	Error code	00
Disch temp. drop	OFF	Disch prtc rtry qty	0
INV cur. drop	OFF	INV cur prtc rtry qty	0
HP drop ctrl.	OFF	HP prtc rtry qty	0
LP drop ctrl.	OFF	LP prtc rtry qty	0
Fln temp drop ctr	OFF	Fln temp prtc rtry qty	0
Retry code	0		

Sensor

Actuator

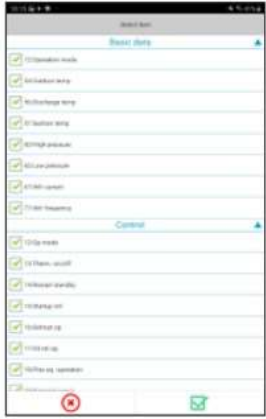
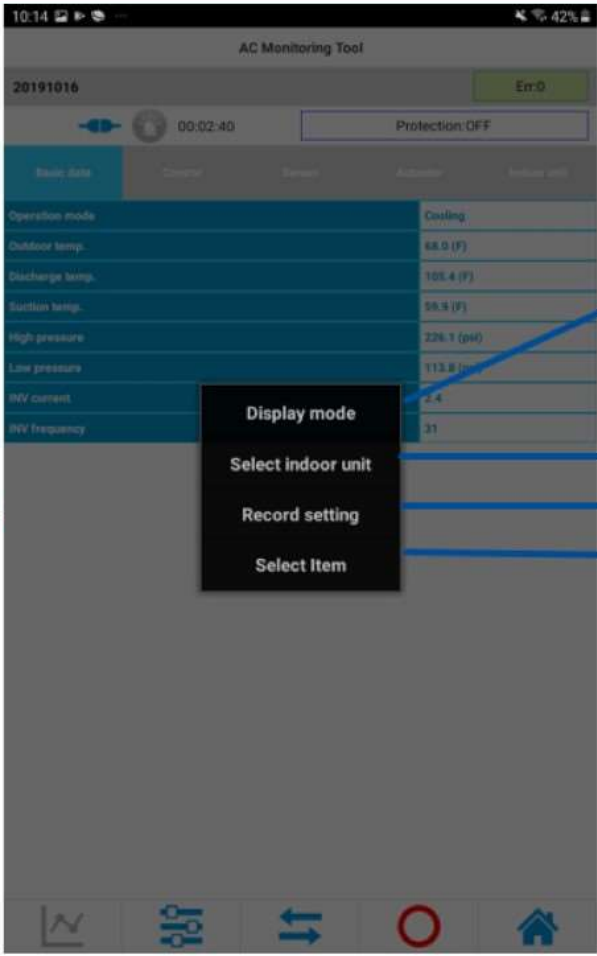
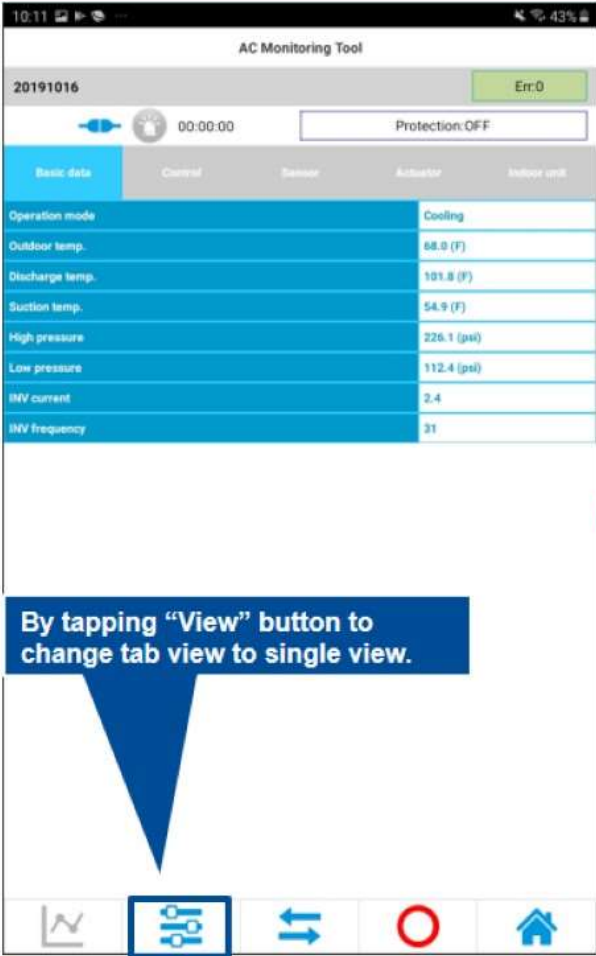
Indoor unit

Indoor address	0
IDU op. mode[s]	Cooling
Therm. on/off[s]	ON

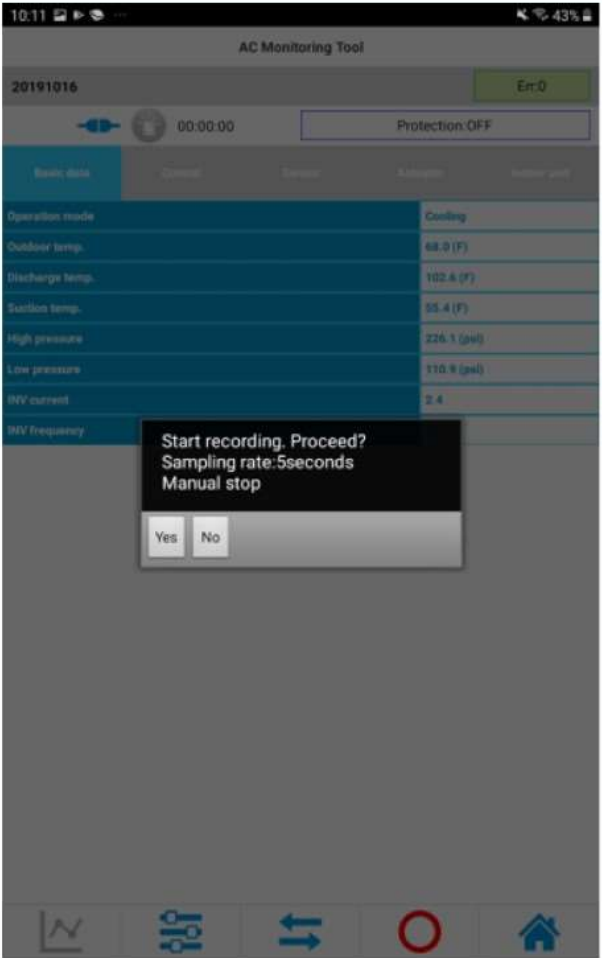
Navigation icons: [Line graph], [Gears], [Double arrows], [Blue circle], [Home]



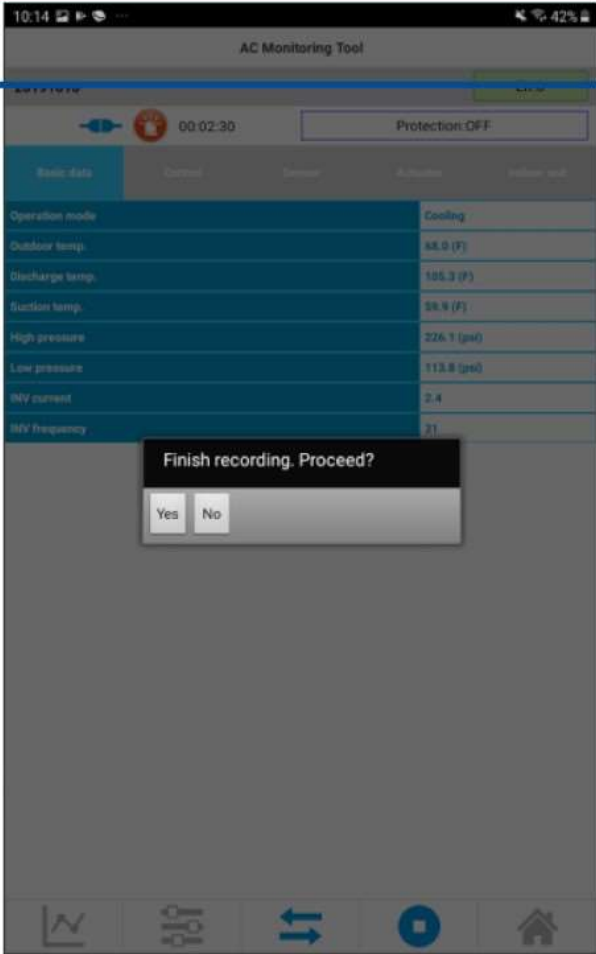
Settings



How To Record Data



How To Record Data

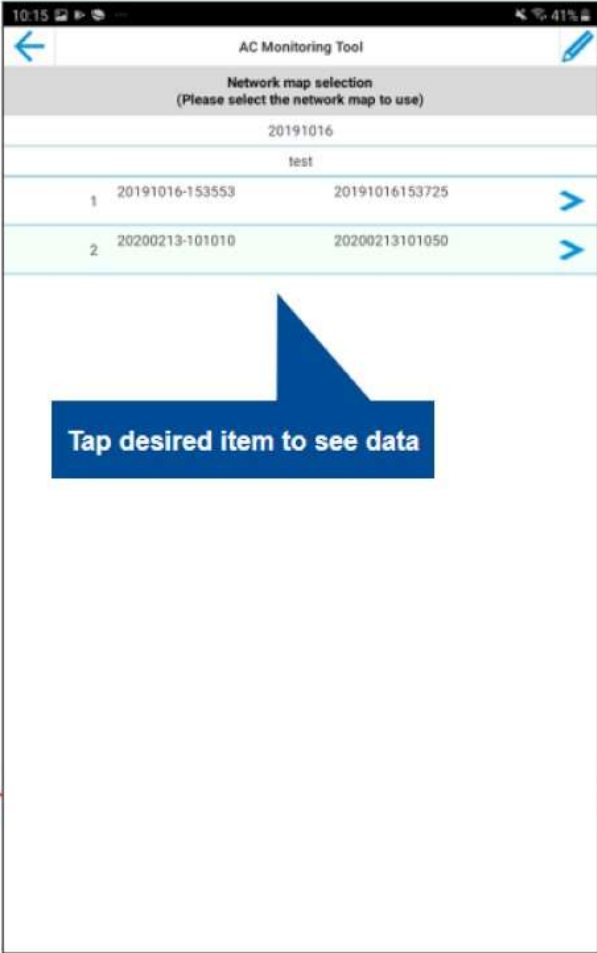
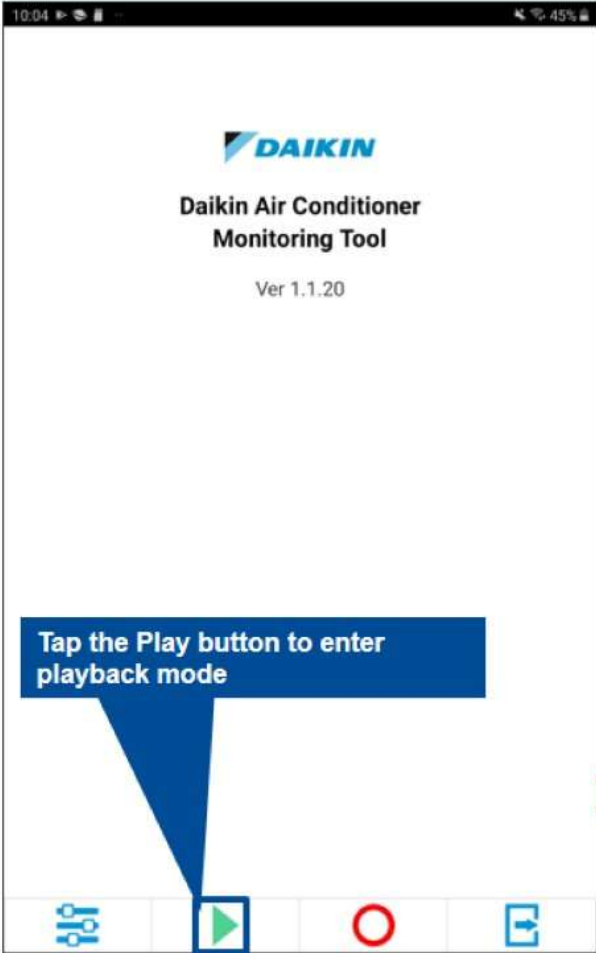


No alarm	In alarm	Error status
Err:0	Err:U1	Error code

On upper right corner, error status and error code are always indicated. In case of no error, "0" is indicated.



How To Playback Recorded Data



How To Playback Recorded Data

AC Monitoring Tool

20191016 Err:0

2020-02-13 10:12:00 Protection:OFF

Basic data	Control	Sensor	Actuator	Indoor unit
Indoor address		0		
IDU op. mode[F]		Cooling		
Therm. on/off[F]		ON		
Error code[F]		00		
R/C setpoint[F]		32.0 (F)		
IDU air temp. [F]		32.0 (F)		
IDU liq. temp. [F]		32.0 (F)		
IDU gas temp. [F]		32.0 (F)		
IDU EV(pln)[F]		128		
R/C therm temp[F]		32.0 (F)		
Request CFM(x10)		42		
Present CFM(x10)		41		
Indoor pressure		7.7		

Tap > to proceed to next time slot, tap >> to proceed to the end of record



AC Monitoring Tool

20191016 Err:0

2020-02-13 10:12:30 Protection:OFF

Basic data	Control	Sensor	Actuator	Indoor unit
Comp (rpm)			31	
Fan 1 (step)			4	
EV 1 (pln)			480	
4 way valve			OFF	
Crank case heater			OFF	
Y1S			OFF	
Y2S			OFF	
Y3S			OFF	
Comp op command			ON	
Fan1 op command			ON	
Fan2 op command			OFF	
Trgt comp. (rpm)			30	
Trgt o_fan1 (rpm)			375	
Trgt o_fan2 (rpm)			0	

How To Playback Recorded Data



10:16 AC Monitoring Tool

20191016 Err:0

2020-02-13 10:12:00 Protection:OFF

Basic data	Control	Sensor	Actuator	Indoor unit
Operation mode			Cooling	
Outdoor temp.		64.0 (F)		
Discharge temp.		132.7 (F)		
Suction temp.		55.9 (F)		
High pressure		226.1 (psi)		
Low pressure		110.9 (psi)		
INV current		2.4		
INV frequency		31		

Tap Graph button to enter graph mode.



10:17 AC Monitoring Tool

20191016 Err:0

2020-02-13 10:12:00 Protection:OFF

Analog X-axis Y-axis Legend

2000 1800 1600 1400 1200 1000 800 600 400 200 0

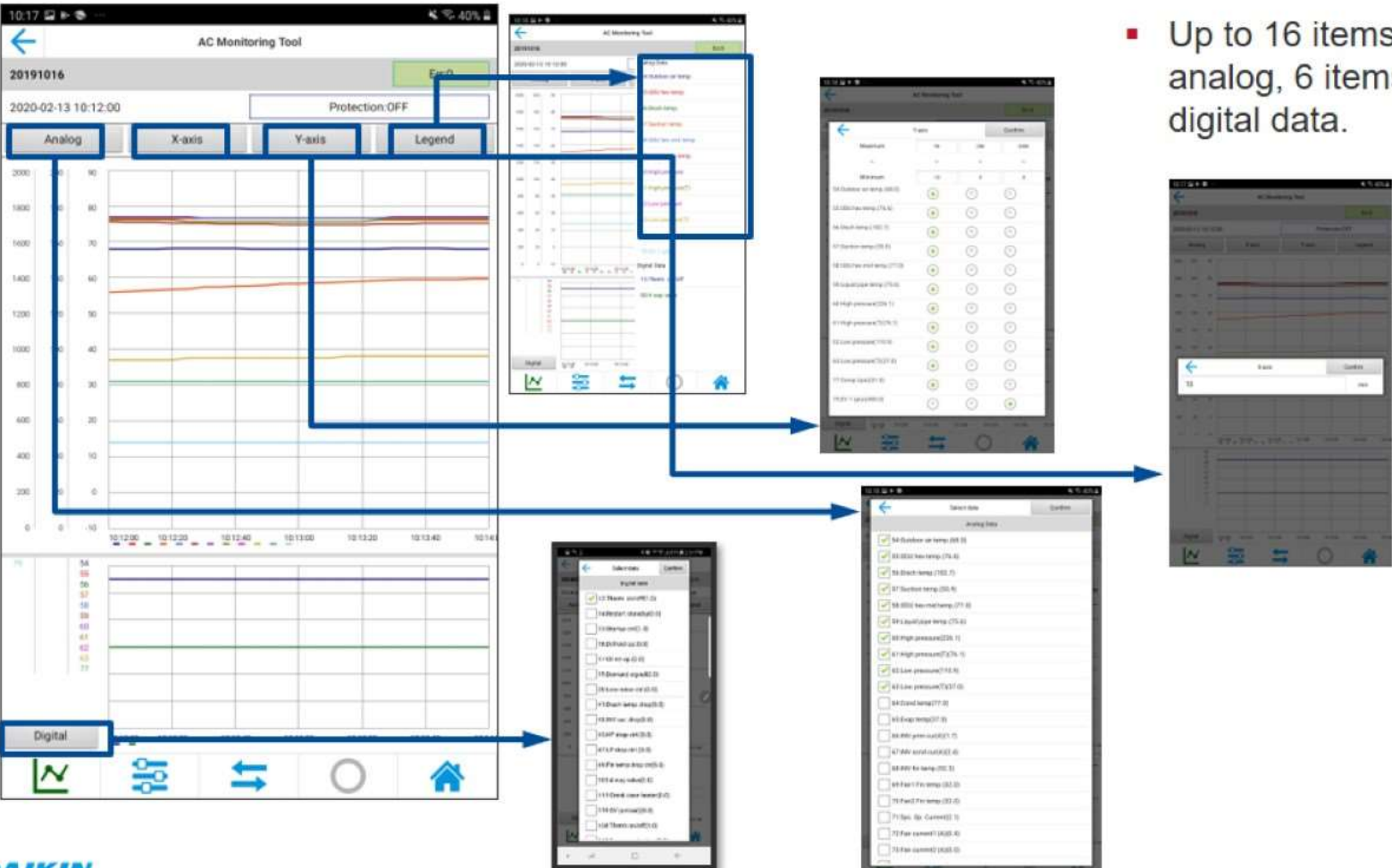
90 80 70 60 50 40 30 20 10 0 -10

10:12:00 10:12:20 10:12:40 10:13:00 10:13:20 10:13:40 10:14:00

Digital

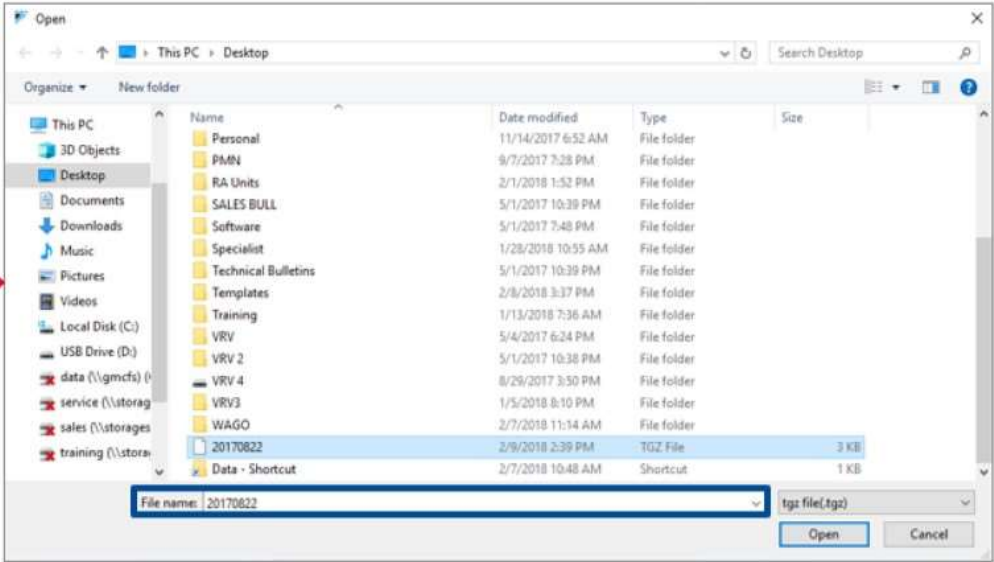
54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77

How To Playback Recorded Data



- Up to 16 items can be selected for analog, 6 items can be selected for digital data.

How To Import Mobile .TGZ File Sent



How To Export .CSV File

