A&D WeiV

Bluetooth / Sonic Communication Application
for
Balances / Scales

Instruction Manual

A&D Company, Ltd.

1WMPD4004907B

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Software Download

A&D WeiV can be downloaded from the App Store or Google Play.

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1. About the Application

This application, A&D WeiV, enables wireless connection (using Bluetooth) and sonic communication between electric balances or scales (hereinafter referred to as “weighing devices”) manufactured by A&D and tablets or smartphones (hereinafter referred to as “terminals”), and it receives and saves data (hereinafter referred to as “weighing data”) received from weighing devices.

1.1. Features

- Enables terminals to receive weighing data or Good Laboratory Practice (GLP) / Good Manufacturing Practice (GMP) compliant reports.
- Sends commands to weighing devices and controls them.
- Has a repeat function that sends commands per specified time.
- Outputs weighing data after adding date, time, or number.
- Shares weighing data with other applications and saves in an appropriate format.

1.2. Supported OS／Supported Models

□ Supported OS

- Android 9.0 or later
- iOS 14.0 or later

□ Supported models (as of September 2025)

Models with which the Bluetooth communication interface option OP-27 (hereinafter referred to as "the option") is usable.*1

Models	Necessary options
FZ-i／FX-i series	GXA-27
FZ-iWP／FX-iWP series	
GX-A／GF-A series *2	
GX-AWP／GF-AWP series	
HR-AZ／HR-A series	
GX-M／GF-M series	
FG-CWP series	FG-27CWP
HV-C／CP, HW-C／CP series	HVW-27C
HV-CWP／HW-CWP series	HVW-27CWP
SC／SE series	SCE-27
EK series *3	EKW-27

***1 Not usable with the legal-for-trade model (Usable with FG-CWP-K series)**

***2 Not usable with GX-AE series.**

***3 Not usable with EK-i/EW-I series**

Models with Bluetooth Built-in

Models	Necessary options
BA-T series	
SH-AWP-BT／SJ-AWP-BT series	

＊ **BA series are not built-in with Bluetooth communication function.**

＊ **Bluetooth converter AD-8529PC-W is not usable with A&D WeiV.**

＊ **In case of using Bluetooth converter, AD8541-SCALE, check supported models in the following link:**
https://aandd.jp/products/peripheral/pdf/BluetoothConnectionTable.pdf

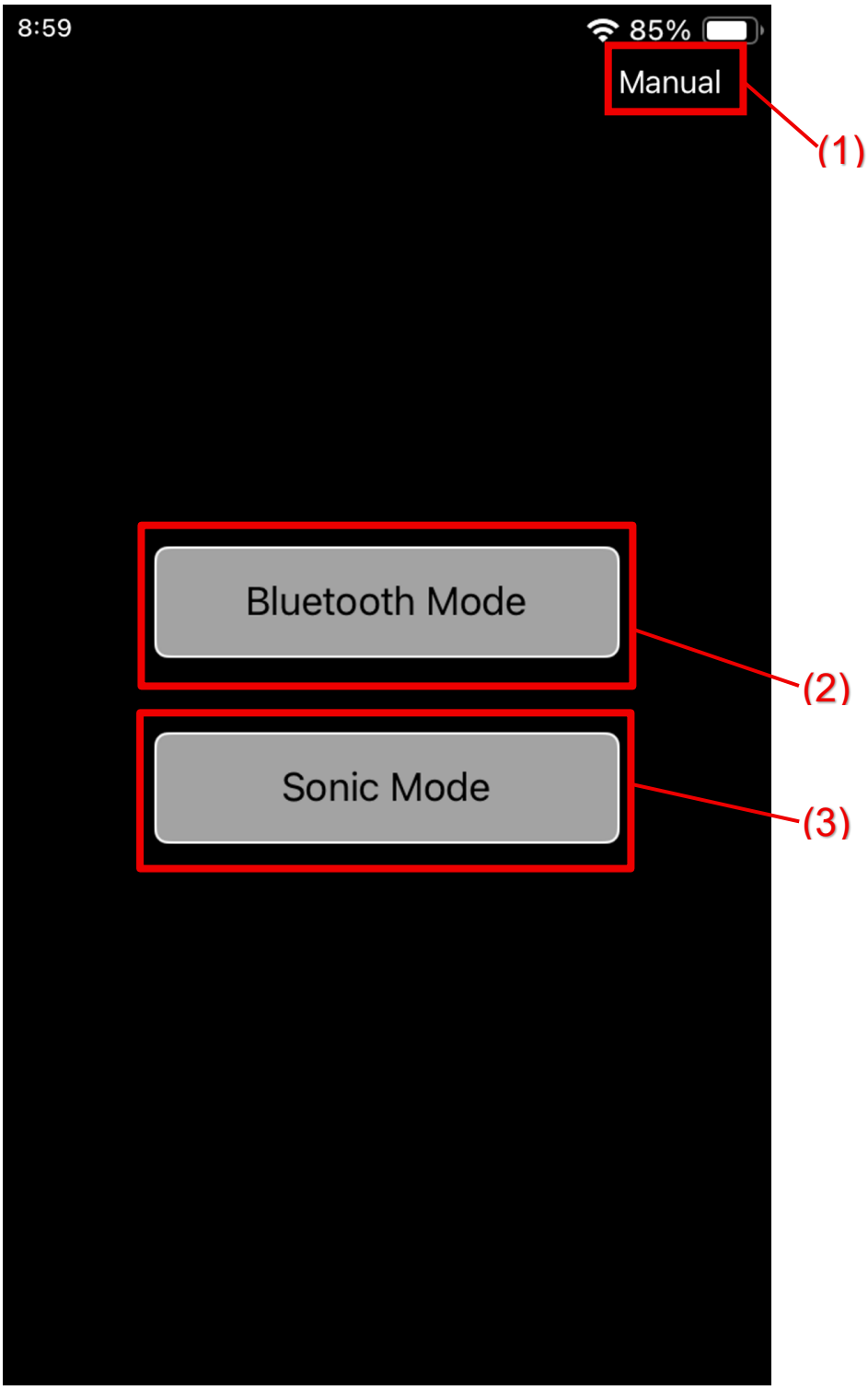
Model with Sonic Communication Function Built-in

Just with the main weighing device, communication can be done.

Models	Necessary options
EK series	

＊ **Sonic communication is NOT available with EK-i /EW-i series.**

2. Selection of Communication Mode



(1) Browsing Instruction Manual
(2) Bluetooth Mode (*See* 3. Bluetooth Mode)
(3) Sonic Mode (*See* 4. Sonic Communication Mode)

3. Bluetooth Mode

3.1. Outline

Via Bluetooth, weighing data can be sent from the weighing device. For supported OS and supported models, *See* "1.2. Supported OS / Supported Models". For detail of Bluetooth communication by our weighing device, check our Web site in the following link:

A&D WeiV | Software | Products | A&D

*In case of switching to sonic communication mode, re-activate A&D WeiV.

3.2. Set-up for Connection

After the set-up for the weighing device, it is connected to the terminal (A&D WeiV). Set-up procedure is different, depending on the type of weighing device model. For weighing device models, as fore-mentioned, *See* "1.2. Supported OS / Supported Models".

3.2.1. When Using the Bluetooth Communication Interface Option

□ Setting up the DIP switches

Set up the DIP switches on the option board to enable bidirectional communication.

For the details, refer to the instruction manual of each option board.

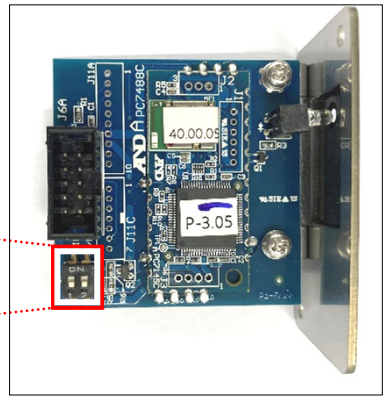
1. Disconnect the AC adapter or remove batteries from the weighing device.
2. Following the steps indicated in the instruction manual of the option board, remove the board from the weighing device.
3. Turn off the DIP switches (to enable bi-directional communication).

Setting up the DIP switches

DIP switches	
No. 1	No. 2
HID	S/N
OFF	OFF



Ex. : GXA-27



4. Attach the option board to the weighing device again, as indicated in the instruction manual of the option board.
5. Connect the AC adapter to or put in the batteries in the weighing device.

3.2.2. When Using Models Built-in with Bluetooth Communication Function

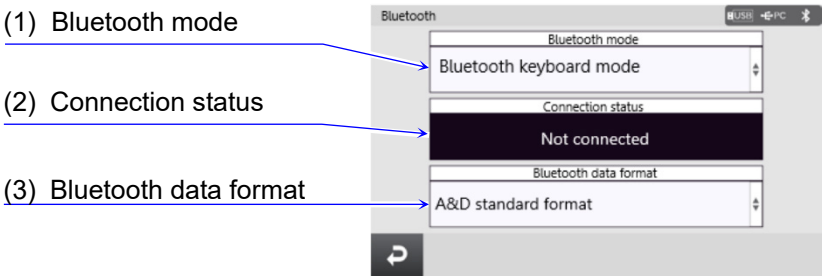
Ways of setting up the main weighing device for Bluetooth communication, are different, depending on the model.

3.2.2.1. Setting the Weighing Device (for the BA-T Series)

1. Activate the weighing device and select the menu for setting Bluetooth by pressing the **MENU** key.

   MENU key → System settings button → Communication button → Bluetooth button → "Bluetooth" screen

Initial status of the Bluetooth menu screen



2. Set the Bluetooth mode to Bluetooth serial, and the Data format to A&D standard format.

Bluetooth settings (Choose the values surrounded with ☐ below)

	Name	Preset value (setting range)
(1)	Bluetooth mode	Bluetooth keyboard, Bluetooth serial
(2)	Connection status	—
(3)	Bluetooth data format	A&D standard format, DP format, KF format, MT format, NU format, NU2 format, CSV format,

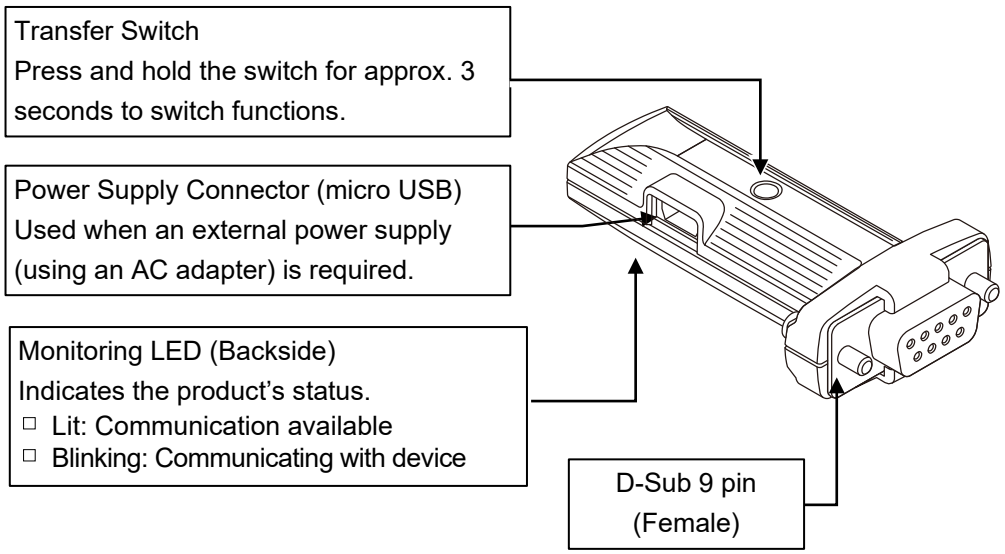
3.2.2.2. Setting the Weighing Device (for the SH-AWP-BT/SJ-AWP-BT Series)

Bluetooth is automatically set up when the weighing device is activated.

3.2.3. When Using Bluetooth Converter AD-8541-SCALE

AD-8541-SCALE is set up for bi-directional communication. For detail on the set-up methods,
See AD-8541-SCALE instruction manual.

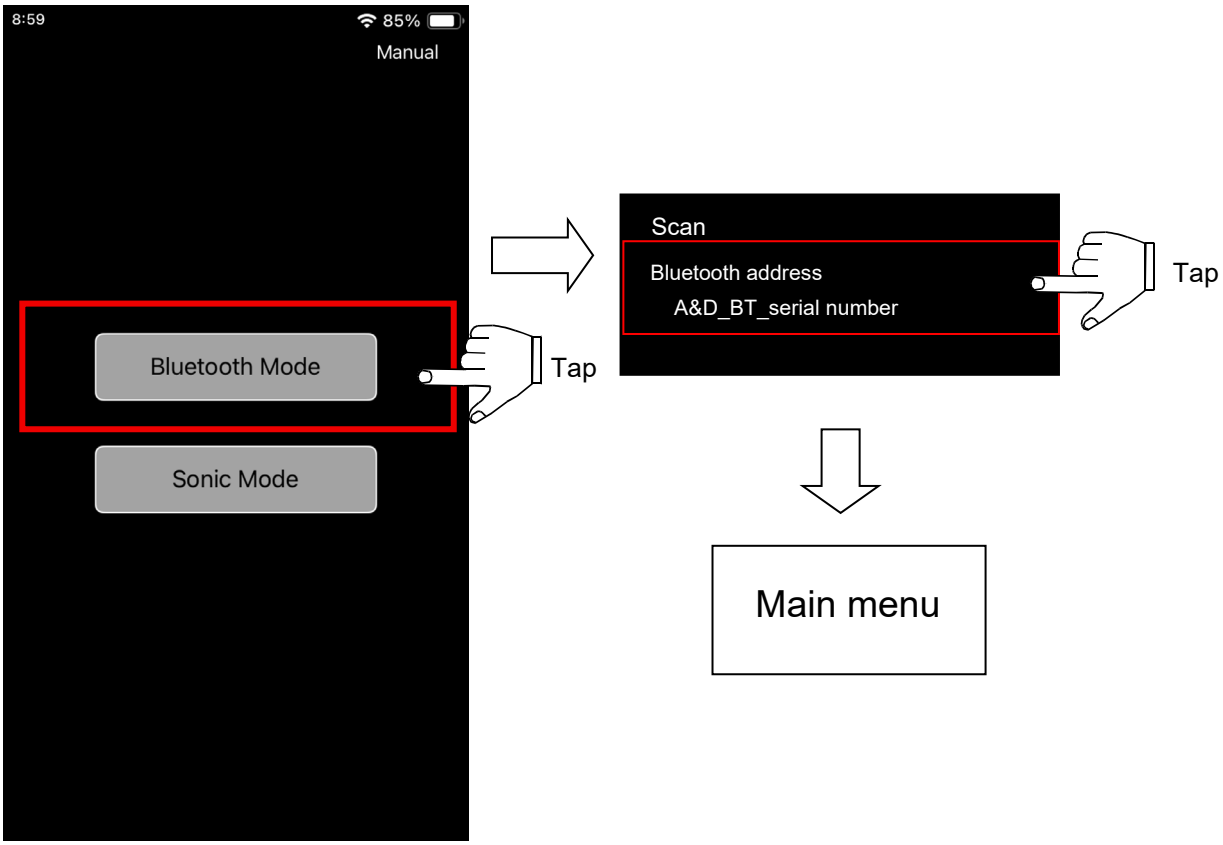
1. Turn on the power for the weighing device and connect the converter to it, according to AD-8541-SCALE instruction manual.
2. Confirm that LED for the status is on. If it is not on, supply power from the USB connector.
3. Press and hold the switch for about 3 seconds to turn the LED green.
4. Do pairing on the terminal side.
   For pairing method, refer to the terminal instruction manual. The terminal automatically connects to nearby devices paired in the past. For new pairing, turn off the power of such devices not used or disconnect them.
5. LED for the status blinks when wireless connection is made.



***Due to their structure, some weighing devices have difficulty with viewability of the LED for status indication, or some of the switch buttons are hard to press.**

3.2.4. Connecting a Terminal to the Weighing Device

1. Make sure that the Bluetooth function on the terminal is on.
2. Turn on the power of the weighing device. With a weighing value being shown, tap the icon for A&D WeiV installed on the terminal and activate the application. After it is activated, tap “**Bluetooth Mode**”, and Scan screen pops up, showing a list of connectable weighing devices.
3. Select and tap the weighing device to be connected.
   ＊ If the appropriate weighing device is not shown, swipe down the screen to re-scan.
4. The terminal asks for pairing. Tap **OK**.



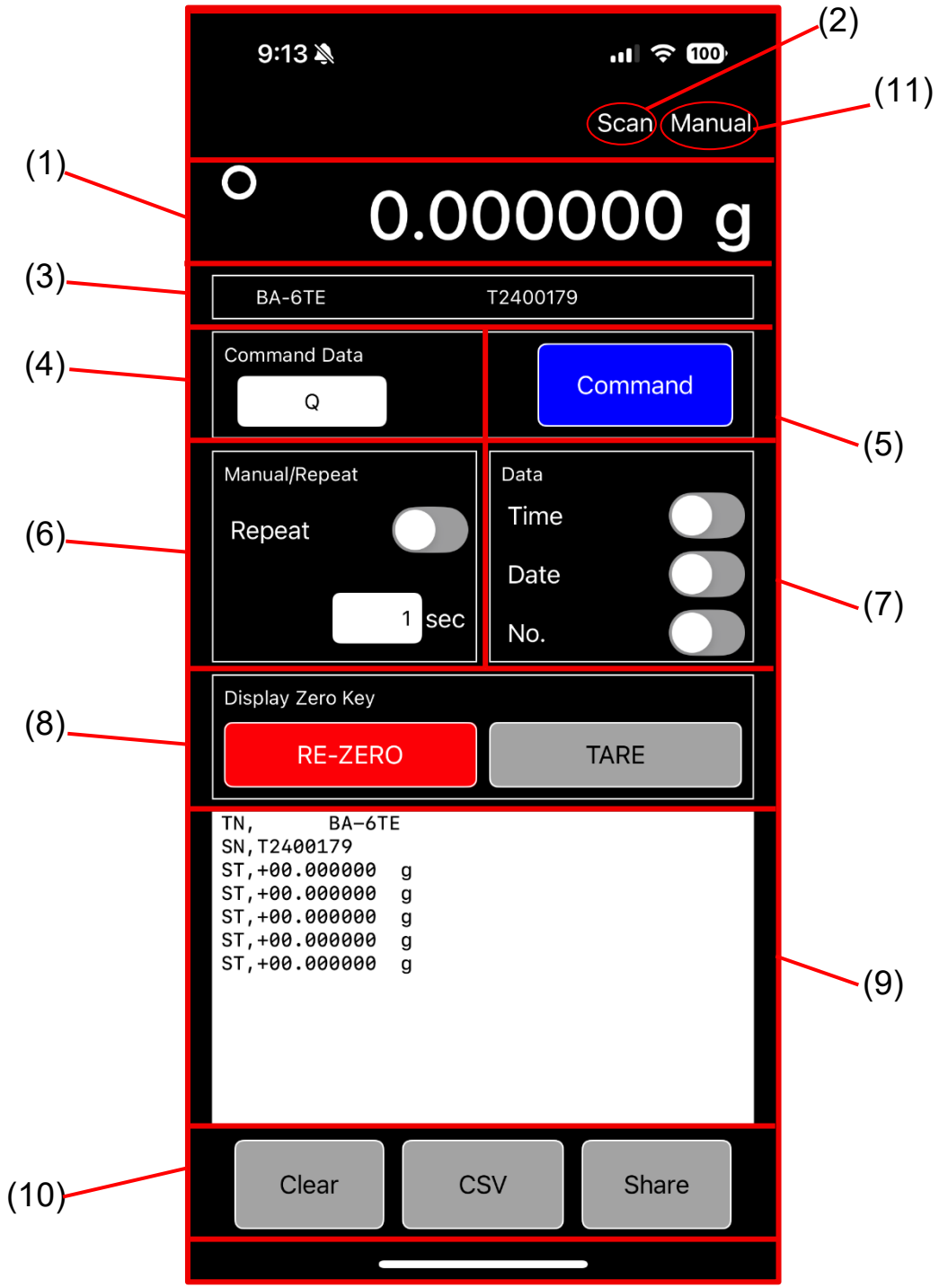
＊ Depending on the manufacturing date of models and option boards, a number other than the serial number of the weighing device may be shown.

□ If the screen does not change from the **Scan** screen to the main menu, perform the following steps.

1. If the terminal is already paired with the weighing device, unpair (delete the device) on the setting screen of the terminal.
2. If the problem persists, turn on the power of the weighing device again. For details of other cases and actions to take, refer to “5. Troubleshooting”.

3.3. Details of the Screen

3.3.1. The Main Screen



(1) Weighing result
(2) Go to the Scan screen
(3) Model name/serial number
(4) Entry field for commands
(5) Send a command
(6) Repeat function
(7) Add time/date/number
(8) RE-ZERO, TARE
(9) Logging data
(10) Clear/share weighing data*
(11) Browse instruction manual

*** "CSV" is available for iOS version only, not for Android version.**

(1) Weighing result

Displays the weighing result received in the A&D standard format.

＊ **The weighing result is not displayed if it is in other than the A&D standard format. (Weighing data in (9) is displayed.)**

(2) Go to the Scan screen

Tapping this disconnects the connection to the weighing device, and returns to the **Scan** screen.

(3) Model name/serial number

Displays the model name and serial number of the weighing device that is connected.

＊ **Model names or serial numbers are not displayed when the HV-27C, HV-27CWP, or SH-AWP-BT/SJ-AWP-BT series are connected.**

(4) Entry field for commands

Shows the Q command by default. As soon as a command is sent, weighing data is output.

When the entry field is tapped, the keyboard appears and you can change the command.

＊ **For available commands, refer to the instruction manual of the weighing device to be used.**

(5) Send a command

When **Command** is tapped, the command entered is sent.

(6) Repeat function

When this function is enabled, the command entered in (4) is repeated at a designated interval (seconds).

1 sec is displayed as a default. Tap the number to change it.

(999 sec at a maximum, every 1 second)

＊ **As a guide, keep the total number of data to 3000 at a maximum. Otherwise, the Share may not function.**

(7) Add time/date/number

Adds time, date, or number to weighing data.

When data to be added is tapped, it is added.

Time, date, and number are also added to weighing data that is retrieved before it is tapped.

Tap one more time to turn off the data addition.

(8) RE-ZERO, TARE

The display of the weighing device shows 0 when these are tapped, and (1) in the main screen is cleared.

The Z command is sent when **RE-ZERO** is tapped.

The T command is sent to the weighing device when **TARE** is tapped.

＊ **TARE does not operate with models that have no tare key.**

The weighing result is displayed again when the Q command is tapped with the Command.

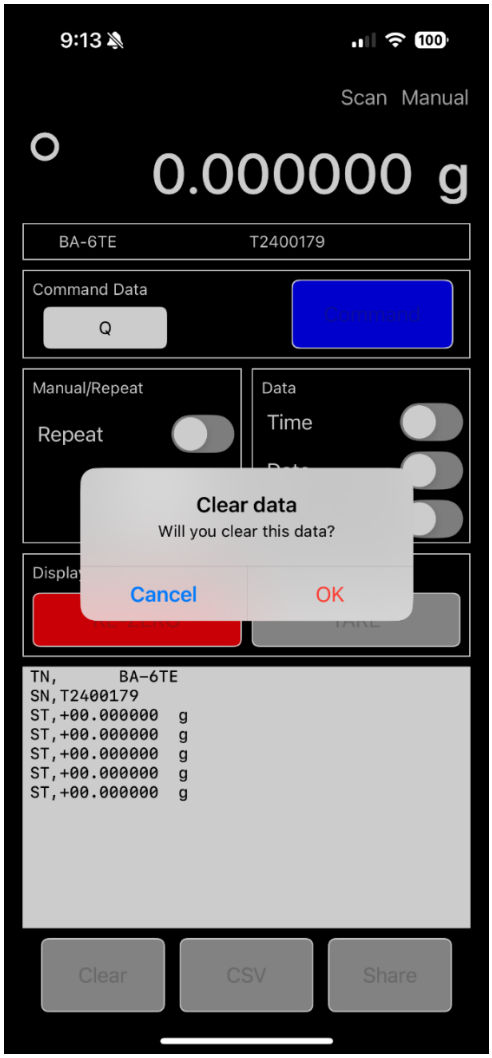
(9) Logging data

Logs and displays weighing data.

When time, date, or number is added, the items selected in (6) are displayed separated with commas after weighing data. You can see weighing data that is not shown in the screen by scrolling down. Model name is displayed in the first line and serial number in the second when the screen is shifted from the **Scan** screen to the main screen (they are not displayed on some models).

(10) Clear or share the weighing data

The following message appears when **Clear** is tapped.



- Weighing data in (9) is cleared if **OK** is tapped.
- Weighing data in (9) is not cleared if **Cancel** is tapped, and the main screen is shown again.

By tapping **Share**, you can share weighing data in (9) with another application and save it.

Tapping **CSV**, weighing data in (9), can be saved in CS file format (only for iOS version).

For detail of saving method, *See* " 3.4.2.5. CSV file Saving Function (only for iOS version) "

(11) Browse instruction manual

Tapping **Manual**, you can move to our web site to see A&D WeiV product page and its instruction manual.

3.3.2. The Scan Screen



There is no device available for pairing



There are devices available for pairing

＊ If Bluetooth communication cannot be detected after the **Scan** screen is displayed, the screen does not change to the main screen even if the weighing device is tapped.

3.4. How to Operate

3.4.1. Basic Operation

This section describes how to log the weighing data on the main screen after the weighing device is connected.

＊ **The weighing device should show the weighing result (weight should be displayed).**

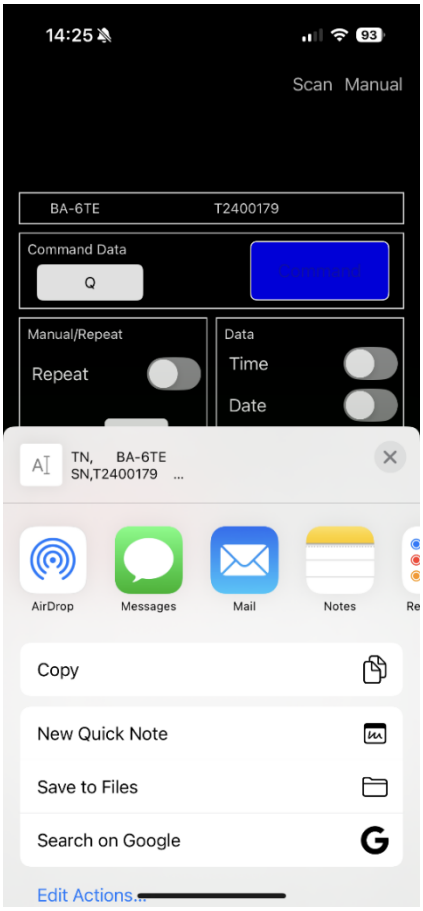
1. With nothing placed on the weighing device, tap **RE-ZERO**.
   The weighing device shows 0.00 g (the number of digits shown varies depending on the model).

2. When using tare, place a tare weight and tap **TARE**.
   The weighing device shows 0.00 g (the number of digits shown varies depending on the model).

3. Place objects on the weighing device, and then tap **Command** with Q shown in the **Command Data**. A value is displayed and recorded in the weighing result in (1) and logging data in (9).

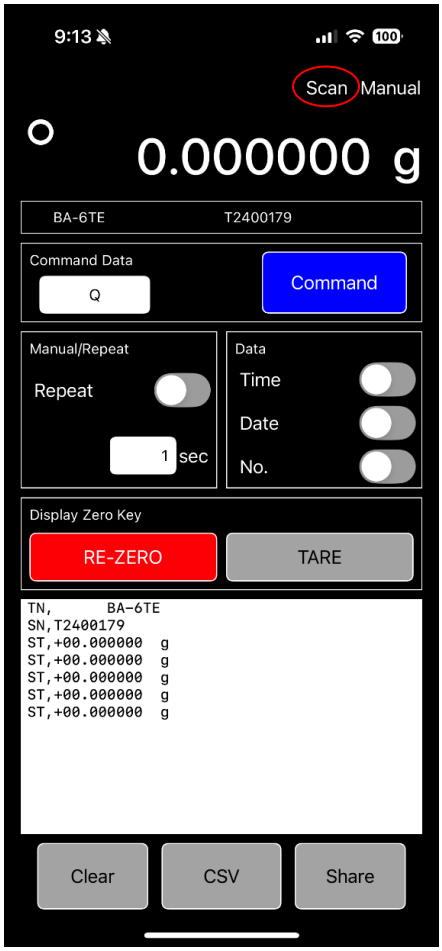
4. Repeat step 3 above.

5. Once weighing is complete, tap **Share**.



6. From the list of application that appears, tap and open an application such as Mail or Notes.
   The contents of the weighing data are shown in the application.
7. You can mail or save the data with the application.
8. Exit the application, and return to the main screen of A&D WeiV.
9. To delete the weighing data, tap **Clear** and then tap **OK** in the message screen that appears.

10. To exit the screen, disconnect the communication with the weighing device by tapping **Scan** to return to the Scan screen. Then, exit A&D WeiV.



3.4.2. Advanced Functions

3.4.2.1. Adding Time/Date/Number

To add time, date, or number to weighing data, tap among **Time**, **Date**, or **No.** shown in **Data**. The item for the button tapped is added to weighing data. It can be used in step 3 to step 4 in "3.4.1. Basic Operation".

* **The item selected above is added to past data as well. To disable it, tap the item again.**

3.4.2.2. Repeat Function

This function is helpful for weighing at a regular interval and for using the application as an external indicator while logging. It can be used in step 3 to step 4 in "3.4.1. Basic Operation".

1. Tap the number (default: 1) shown in **Manual/Repeat**.

2. Select the number of seconds from the list, and then tap **OK**. The number can be selected in increments of 1 second.

3. When **Repeat** is turned on, the repeat function automatically runs with the command (Ex.: Q) set in **Command Data** at a designated interval.

4. To turn off the repeat function, tap the button next to **Repeat**.

3.4.2.3. Changing Commands

1. Tapping a command (Ex: Q) in **Command Data** enters the edit mode.

2. Enter a command that can be used with a weighing device.
   * **For available commands, refer to the instruction manual of each weighing device. Commands including controlling codes such as <ESC> (ASCII: 1Bh code) are not usable.**

3. Either tap **Command** or enable **Repeat** to run the command.

3.4.2.4. Automatic Recover after Disconnection

When connection to a weighing device is disconnected, part of the screen temporarily darkens, and the following operations are disabled. Once it is connected again, the darkened area is brightened, and the operations are automatically recovered.

Operations that are disabled

(4)(5) Commands operation (6) Repeat function (8) RE-ZERO, TARE

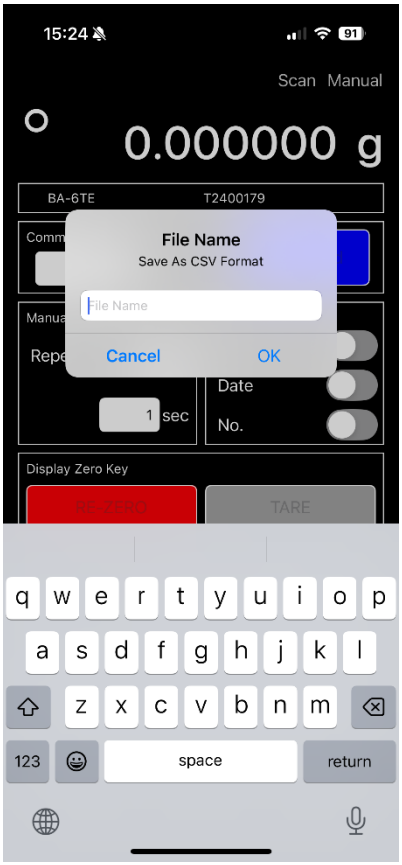
* **(6) is disabled after automatic recovery**

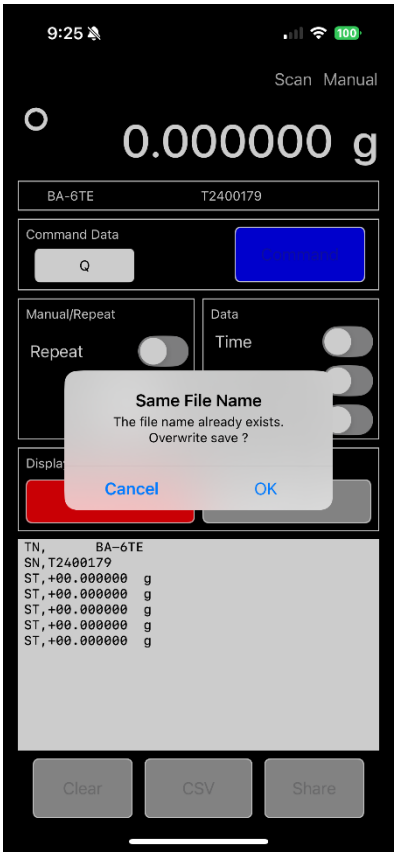
3.4.2.5. CSV File Saving Function (for iOS ver. only)

Weighing data is saved as CSV file in the internal storage of the terminal.

***In case of using the CSV saving function in A&D standard format, “,” is added between the weighed value and the unit.**

1. Tap **CSV**.
2. Input a file name in the pop-up displayed and tap **OK**.
   If the same file name already exists, the pop-up shows a warning message, asking for confirmation for overwrite save as below.





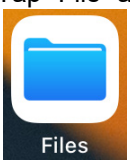
On the warning message for overwrite save, if **OK** is tapped, the file is overwritten and saved.
If **Cancel** is tapped, the main screen shows up without overwriting the file.
***To save in a different name, re-do from the step, “1.”.**

Finally, “A&D WeiV” folder is created in the internal storage of the terminal, and the CSV file is saved.

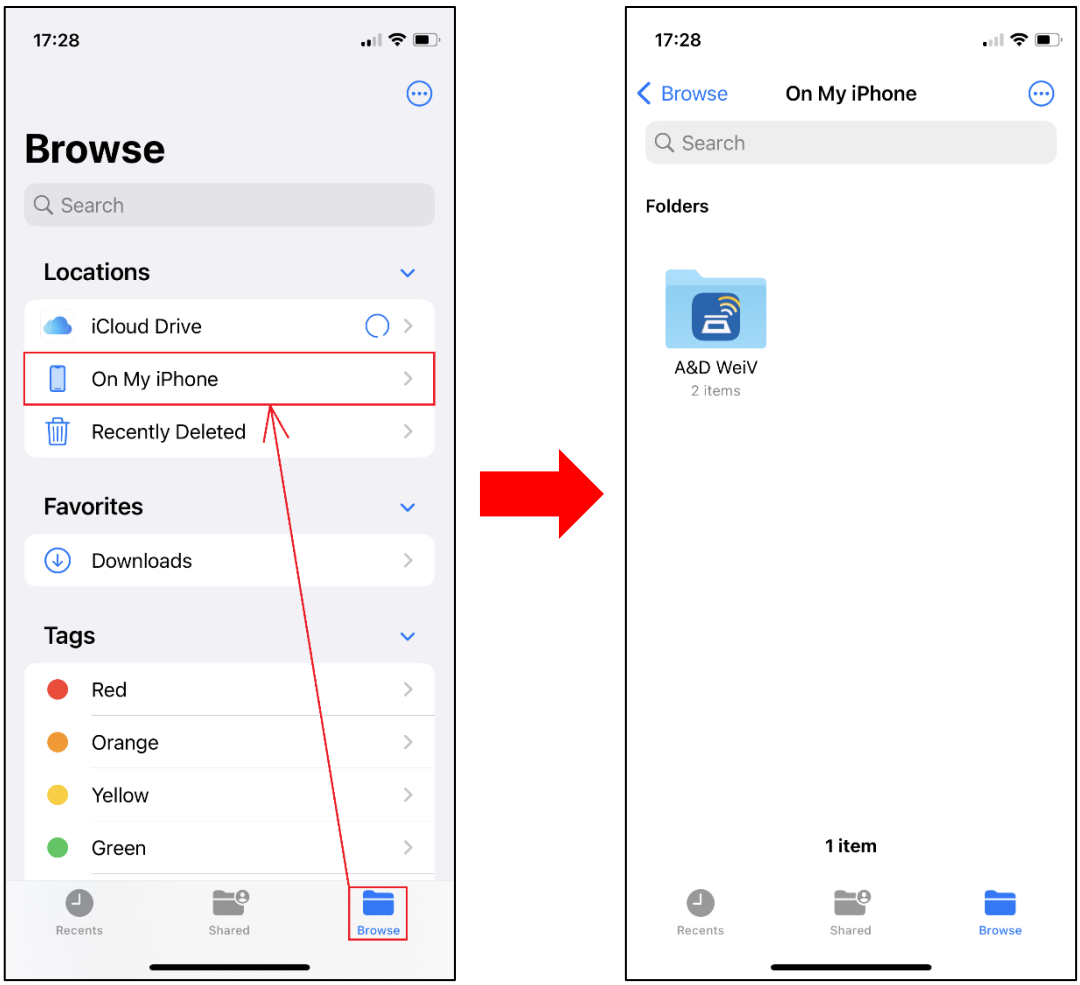
How to Confirm Saved CSV Files

Saved CSV files can be confirmed by “File” application and “Excel” application. Explained here is an example of the confirmation method by iPhone.

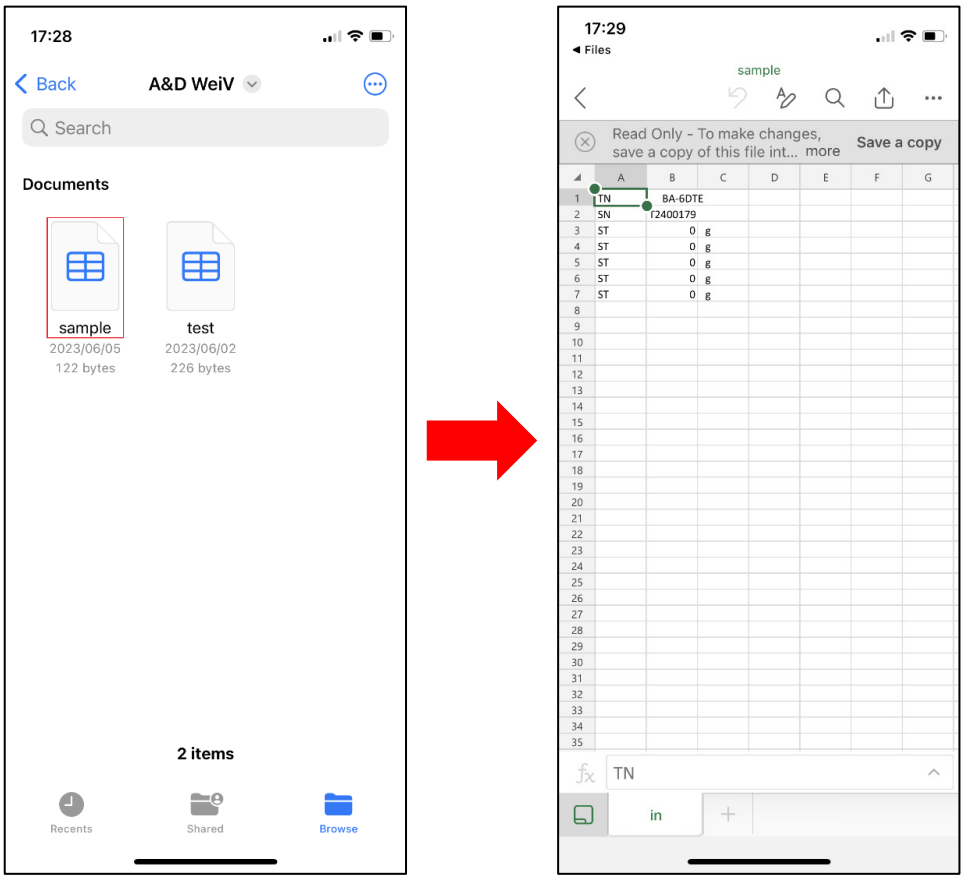
1. Tap “File” application on the terminal.



2. On the “File” application, tap in the order as “Browse” > “In this iPhone” > “A&D WeiV”.



3. If you tap the CSV file you would like to confirm in the “A&D WeiV” folder, you can open it in “Excel” application.



***“File” application is installed by default on the iOS terminal. Also, it can be installed from App Store.**

4. Sonic Communication Mode

4.1. Outline

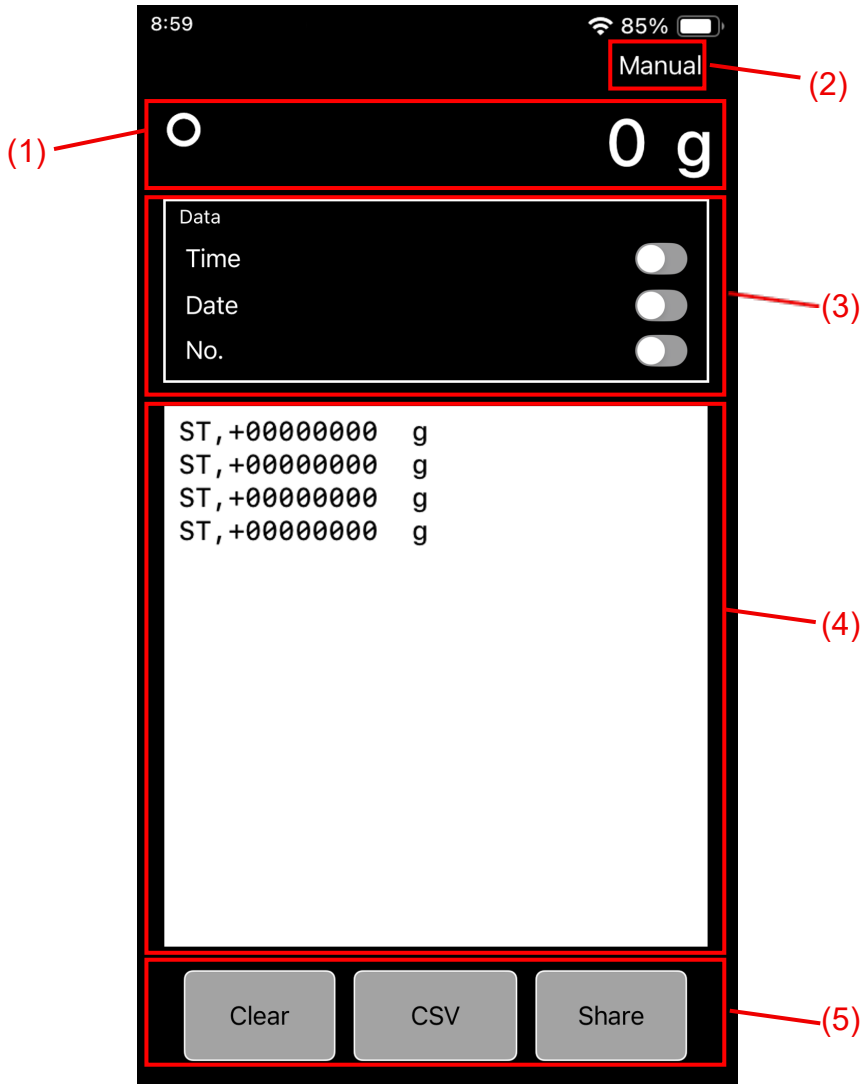
Sonic communication is the function to send weighed value to the terminal by sound. If the measuring device is set up for sonic communication, weighed value can be sent to the terminal (A&D WeiV). For supported OS and supported models, *See* "1.2. Supported OS and Supported Models". If using sonic communication, confirm the A&D Weiv version meets the following version :

iOS version / 1.06 or later

Android version / 1.06 or later

*In case of switching to Bluetooth mode, re-activate A&D WeiV.

4.2. Main Screen



(1) Weighing result (2) Browse instruction manual (3) Add date / time / number

(4) Logging data (5) Clear/share weighing data *

***There is "CSV" for iOS version only, not for Android version.**

(1) Weighing result

Displays the weighing result received in the A&D standard format.

＊ **The weighing result is not displayed if it is in other than the A&D standard format. (Weighing data in (9) is displayed.)**

(2) Browse instruction manual

Tapping **Manual**, you can move to our web site to see A&D WeiV product page and its instruction manual.

(3) Add time/date/number

Adds time, date, or number to weighing data when tapped for on.

When data to be added is tapped, it is added.

Time, date, and number are also added to weighing data that is retrieved before it is tapped.

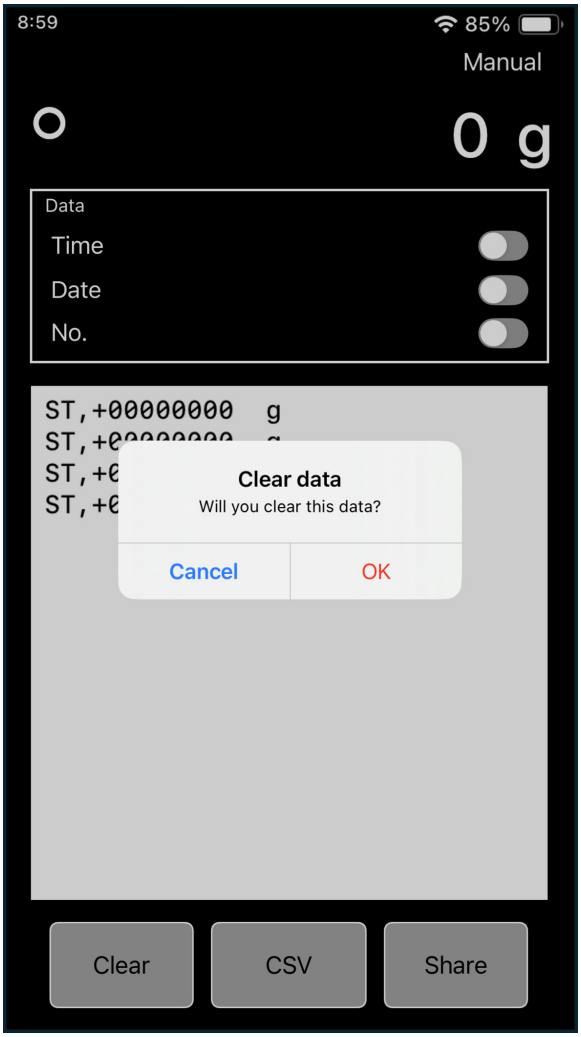
Tap one more time to turn off the data addition.

(4) Logging Data

Logs and displays weighing data. When time, date, or number is added, items are displayed, separated with commas after weighing data.

(5) Clear or share weighing data

The following message appears when **Clear** is tapped.



- If **OK** is tapped, the weighing data at (4) is eliminated.
- Tapping **Cancel**, you return to the main screen without eliminating weighing data at (4).

Tapping **Share**, you can share the weighing data at (4), with another application and save it. For detail on the saving method, *See* “4.3.1. Basic Operation”.

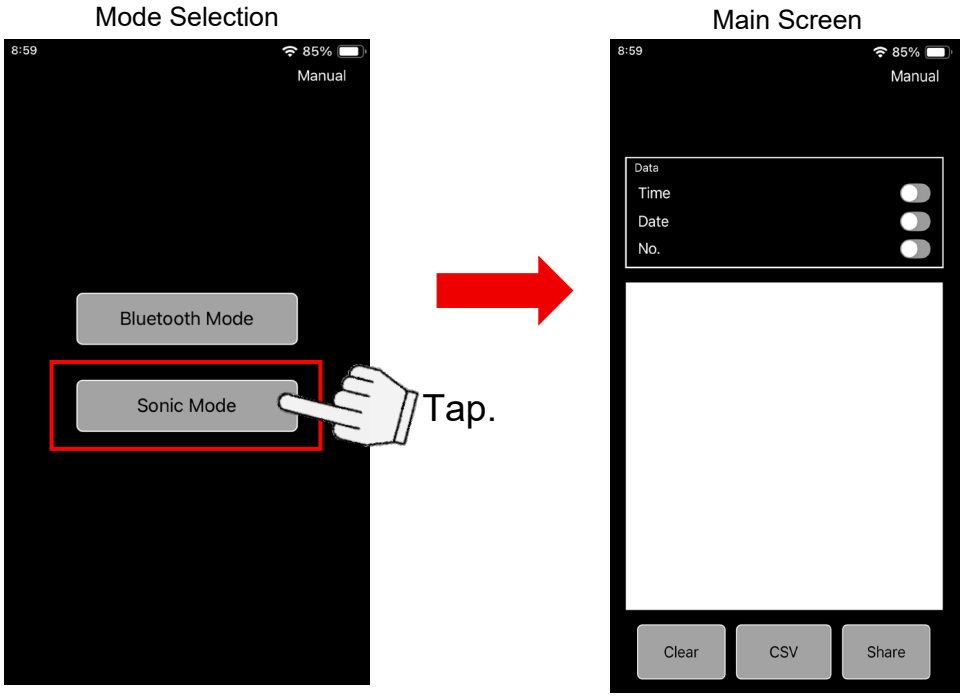
Tapping **CSV**, you can save the weighing data at (4) in CSV file format (for iOS version only).
For detail on the saving method, *See* “4.3.3. CSV File Saving Function (for iOS version only)”.

4.3. How to Operate

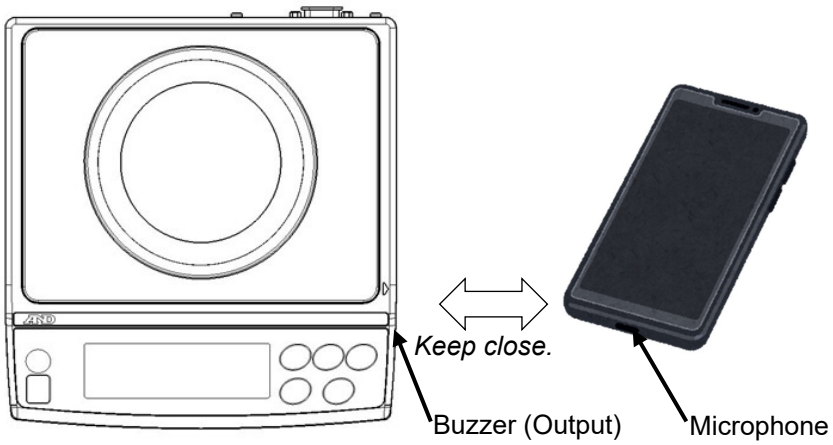
4.3.1. Basic Operation

Operation Procedure

1. Set up the weighing device for sonic communication, following its instruction manual.
2. Turn on the power of the weighing device. With the weighing result displayed, activate the application, tapping the icon of A&D WeiV installed on the terminal. After the activation, tap "**Sonic Mode**", and the main screen shows up.
   - ❑ Using "**Sonic Mode**" requires a terminal with a microphone installed.
   - ❑ When tapping "**Sonic Mode**", allow the microphone to turn on if requested to do so.

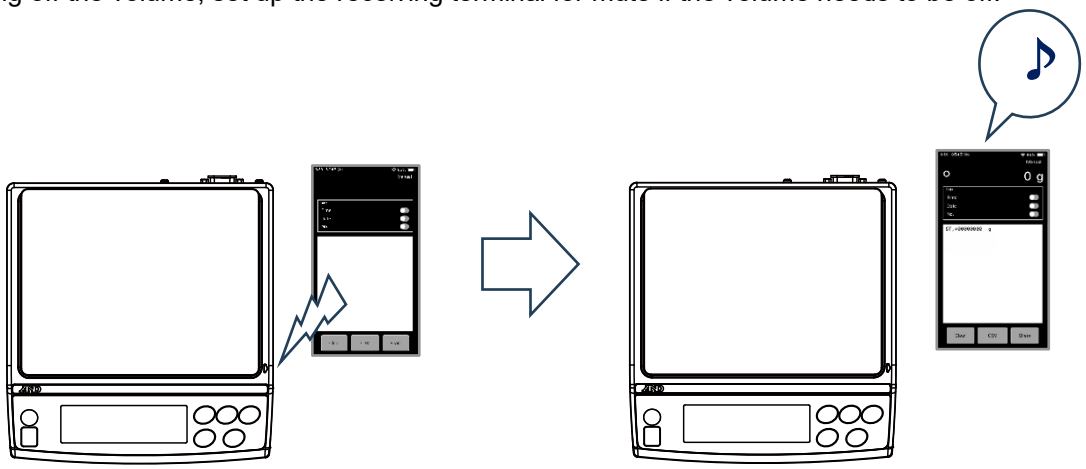


3. Set the terminal on the output side of the buzzer of the weighing device, as shown with the below picture.
   - ❑ The effective scope of sonic communication is approx. 15cm in circumference, but it is subject to the terminal microphone performance and the usage environment. In case of difficulty with receiving data, keep the terminal microphone close to the weighing device.



4. When weighed value is output from the weighing device side, receiving result is indicated on the terminal side.

- ❑ There is interval of 1 to 3 seconds between the output and the reception. The receiving timing is different, depending on the output.
- ❑ There are some cases of receiving difficulty, if the receiving terminal is moved during the data output.
- ❑ Sonic communication can take only one set of data per time. During the sonic output, next data cannot be output.
- ❑ When data receiving is completed, the receiving terminal beeps. The volume of the beep can be adjusted by volume set-up on the receiving terminal. Since the application does not have function for turning off the volume, set up the receiving terminal for mute if the volume needs to be off.



When the application turns out for the home screen, keep the receiving terminal close to the data output side (Be careful not to move it during the output.).

When data is received, the receiving terminal beeps for the completion of the receipt, and weighed value is displayed on the application.

CAUTION

- ❑ **Only output from the weighing device to the terminal, NOT bi-directional communication.**
- ❑ **For output set-up of the weighing device, select either Key Mode or Print Mode.**
- ❑ **For data output of the weighing device, 16 to 17kHz frequency range of sound is used.**
- ❑ **If the same frequency range of sound is used in the usage environment, output data interferrence occurs, possibly causing difficulty with receving data.**
- ❑ **In case you suffer any irritation from the output sound or feel your health affected, refrain from using sonic communication.**

4.3.2. Advanced Functions

4.3.2.1. Adding Time/Date/Number

To add time, date, or number to weighing data, tap among **Time**, **Date**, or **No.** shown in Data. The item for the button tapped is added to weighing data. It can be used in step 3 to step 4 in "4.3.1. Basic Operation".

＊ **The item selected above is added to past data as well. To disable it, tap the item again.**

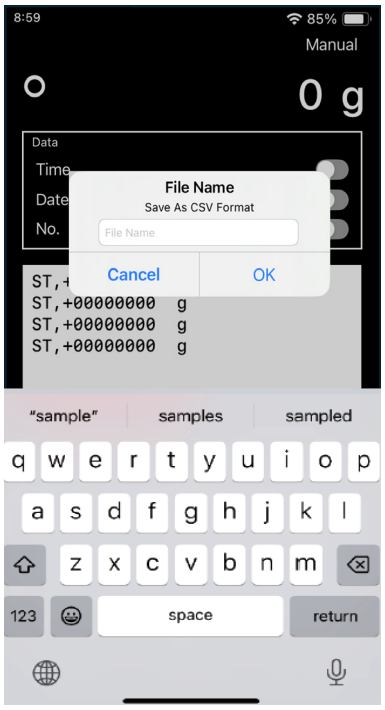
4.3.3. CSV File Saving Function (for iOS ver. only)

Weighing data is saved as CSV file in the internal storage of the terminal.

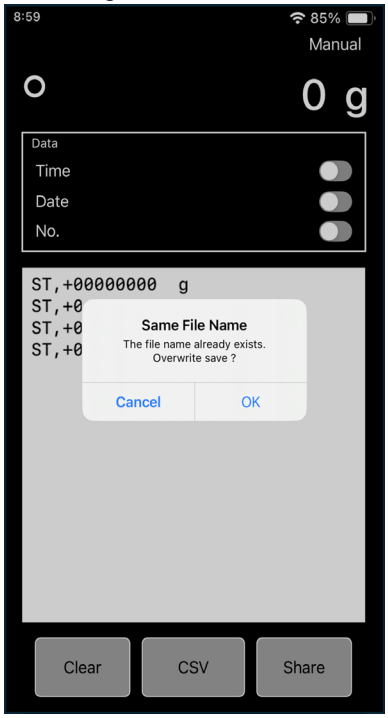
***In case of using the CSV saving function in A&D standard format, “,” is added between the weighed value and the unit.**

1. Tap **CSV**.
2. Input a file name in the pop-up displayed and tap **OK**.
   If the same file name already exists, the pop-up shows a warning message, asking for confirmation for overwrite save as below.

Input Pop-up



Warning for Overwrite Save



On the warning message for overwrite save, if **OK** is tapped, the file is overwritten and saved.
If **Cancel** is tapped, the main screen shows up without overwriting and saving the file.

***In case of saving in a different name, re-do from the step, “1.”.**

Finally, “A&D WeiV” folder is created in the internal storage of the terminal, and the CSV file is saved.

How to Confirm Saved CSV File

See Page 19.

5. Troubleshooting

When there is any communication problem with a weighing device, refer to the following list.

Bluetooth Mode

Issue	Where to check	Cause	Action to take
Connection to a weighing device fails (A device is not selectable in the Scan screen)	The screen for setting terminals	Bluetooth is turned off.	Turn on Bluetooth in the terminal.
		Pairing is not turned off after previously connecting a weighing device to A&D WeiV. Pairing is registered in the terminal settings without using A&D WeiV.	Restart A&D WeiV after cancelling pairing with the terminal.
		The weighing device to be connected is paired with an another terminal.	Unpair the terminal that has been connected. Then, connect to A&D WeiV in the terminal to be connected.
		A weighing device other than the one to be connected is paired.	Go to the Scan screen and tap an appropriate weighing device.
	Option board	The DIP switches are not set to enable bidirectional communication (the switches are not turned off).	As described in "3.2.1. When Using the Bluetooth Communication Interface Option", set the DIP switches to enable bidirectional communication (turn off both switches).
	Settings screen on weighing devices	(With the BA-T series) Bluetooth is not set up correctly.	As described in "3.2.2.1. Setting Up a Weighing Device (for the BA-T Series)", reset the Bluetooth settings.
	The Scan screen on A&D WeiV	Bluetooth connection with the weighing device was not ready when A&D WeiV was scanning pairable devices.	Swipe down the Scan screen to refresh the screen.
"A&D_BT" is not shown in the list of weighing devices.	The Scan screen on A&D WeiV	Depending on terminals' OS versions or manufacturing date of option boards, only alphanumeric characters may be shown.	Tap what is displayed to show the main screen. Check if the model name and the serial number shown in the main screen are same as that of the weighing device to be connected.
The main screen partly darkens	The main screen on A&D WeiV, weighing devices	Bluetooth communication with the weighing device is disconnected.	If not automatically recovered, check if the power of the weighing device is turned on.
The operation does not proceed according to the designated commands	The main screen on A&D WeiV, weighing devices	Bluetooth communication with the weighing device is disconnected.	Tap **Command** again to send commands. If the problem persists, check if the power of the weighing device is turned on.
	Weighing devices	The weighing device is not showing a weighing result.	Set to show weighing result on the weighing device.
		The settings of the weighing device are not correct.	Check the function settings of the weighing device.

Sonic Mode

Issue	Where to check	Cause	Action to take
Not able to receive weighed value	Weighing device	Weighing device NOT in sonic communication mode	Refer to the weighing device instruction manual and set up for the sonic communication.
	Weighing A&D WeiV Mode Selection Screen	Bluetooth Mode selected	Re-activate the application and select Sonic Mode.
	Terminal at your hand	Microphone OFF on the terminal side	-Check if the terminal is equipped with the microphone. -Check if the microphone function is ON at the terminal.
	Terminal at your hand	The terminal is away from the weighing device.	Keep your terminal close to the buzzer output side of the weighing device.
	Surrounding environment	Noise from the surrounding environment is interfering.	Communicate in a quiet environment.



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