Setup Manual

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1. Overview

　"Windows Communication Tools for data transmission with the GX-AE/GX-A/GF-A Filter" (described as an WinCT-GXA-Filter in following) enables change of settings of digital filter of GX-AE/GX-A/GF-A series electronic balance.

Setup procedure is described below.

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2. System requirements

2-1. PC

　　Supported OS: Windows 8.1, 10

　　RS-232C interface or USB port with serial/USB converter.

　　* If the PC does not have an RS-232C (COM) port, a USB port can be used with the separately-sold serial/USB converter with cable to add a COM port.

　　* USB interface of balance cannot be used with GX-AE/GX-A/GF-A firmware version 1.320. Please connect RS-232C interface of balance with PC. (With GX-AE/GX-A/GF-A firmware version 1.400 or greater, USB interface of balance can be used.)

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2-2. Electronic balance

　　A&D GX-AE/GX-A/GF-A Series (Firmware version 1.320 or greater.)

　　* In order to check software version of balance, please refer to instruction manual of GX-AE/GX-

A/GF-A series.

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3. Setup instructions

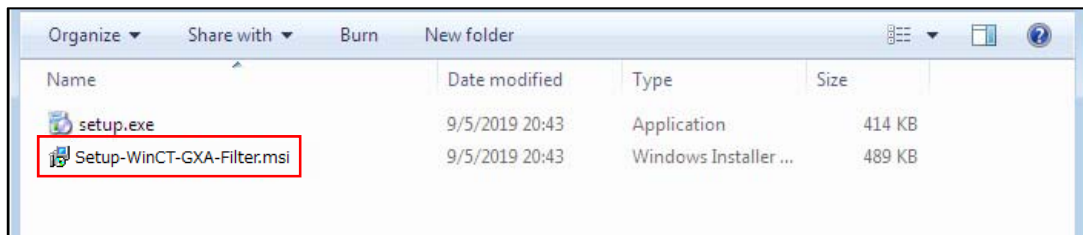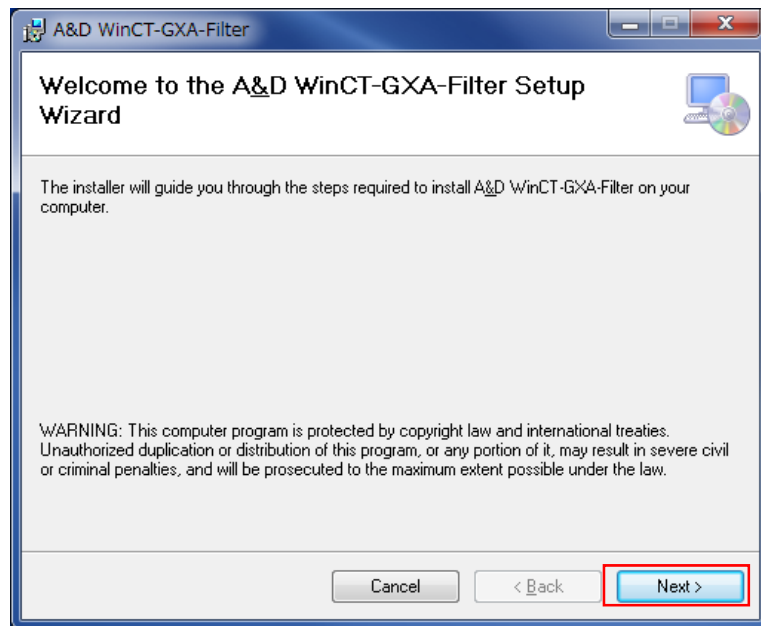
3-1. Preparation

   1) Before setting up WinCT-GXA-Filter, back up critical data on the PC.

   2) Close all applications.

3-2. WinCT-GXA-Filter Installation

   1) Launch Setup-WinCT-GXA-Filter.msi.

   2) Follow the on-screen instructions to complete installation.
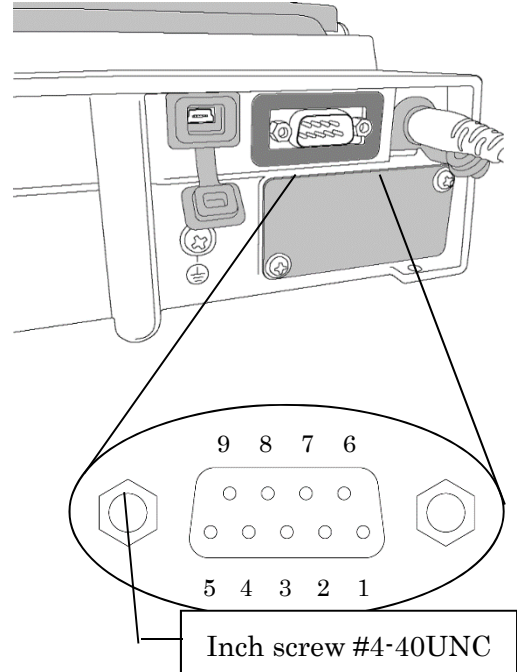
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4. Connection setup

4-1) Connecting the balance via RS-232C*.

GX-AE/GX-A/GF-A Series D-Sub9, pin arrangement

Pin No.	Signal name	Direction	Meaning, remarks
1	-	-	N.C. (same potential with SG)
2	TXD	Output	Transmitted data
3	RXD	Input	Received data
4	-	-	N.C.
5	SG	-	Signal ground
6	DSR	Output	Data Set Ready
7	RTS	Input	Request to Sent
8	CTS	Output	Clear to Send
9	-	Output	N.C. (12V Output)

DTE signal names(except TXD and RXD)

Connection diagram (when connecting to a PC)

9 8 7 6

5 4 3 2 1

Inch screw #4-40UNC

Balance (DCE)	Pin No.	PC (DTE)
TXD	2	RXD
RXD	3	TXD
RTS	7	RTS
CTS	8	CTS
DSR	6	DSR
SG	5	SG
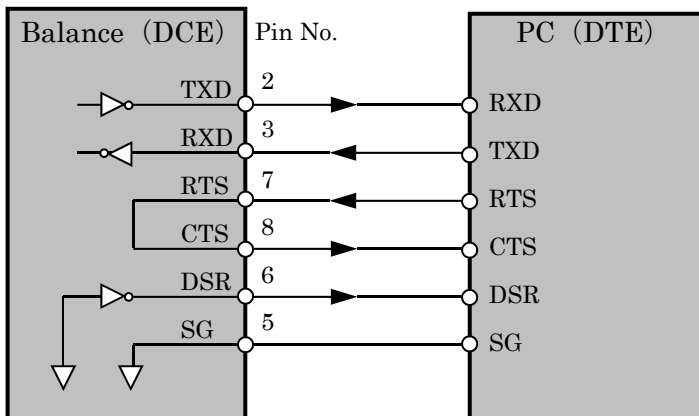
<1> RS-232C interface

Confirm the GX-A/GF-A series D-Sub9 pin arrangement and the pin arrangement
of the PC and connect the RS-232C cable.

<2> USB interface with converter

- Required accessory…AX-USB-9P   Serial/USB Converter

When using for the first time, you will need to install a special driver on the PC.

- Installing the driver

(1) Connect the Serial/USB converter to the USB port on the PC.

(2) Install the driver to the PC.

For the installation procedure, refer to the Serial/USB converter instruction manual.

(3) Using the RS-232C cable provided, connect the Serial/USB converter to the balance.
The device name is "USB Serial Port".

4-2） Connecting the balance via USB (Firmware version 1.400 or greater)

   - Required accessory…USB cable supplied with the balance.

     When using for the first time, you will need to install a special driver on the PC.

   - Preparation…Changing the balance to virtual com mode

        (1) Set the balance to weighing mode $\boxed{^\circ\ \mathsf{0.00\ \ g}}$

        (2) Press and hold the $\boxed{\text{SAMPLE}}$ key to display $\boxed{\mathsf{bRSFnc}}$.

        (3) Press the $\boxed{\text{SAMPLE}}$ key several times and press the $\boxed{\text{PRINT}}$ key with $\boxed{\mathsf{USb}}$.

        (4) $\boxed{\mathsf{UFnc}}$ is displayed. Press $\boxed{\text{RE-ZERO}}$ key several times to display $\boxed{\mathsf{UFnc\ \ V_{COH}}}$.

        (5) Press the $\boxed{\text{PRINT}}$ key to return to the internal settings.

        (6) Press the $\boxed{\text{CAL}}$ key from $\boxed{\mathsf{RP\ Fnc}}$ to return to weighing display.

   - Installing the driver

      Windows 10:

        When you connect the GX-AE/GX-A/GF-A to the PC, the driver is installed automatically.

        The device name is "USB Serial Device".

      Windows 8.1, Windows 7:

        (1) Extract the compressed folder "GXA_GFA_DRIVER" downloaded from our
            website (http://www.aandd.jp/).

        (2) Please refer to"GX-A/GF-A series USB interface How to install the Virtual COM
            mode driver" in the folder for installation.
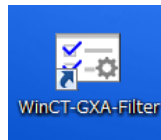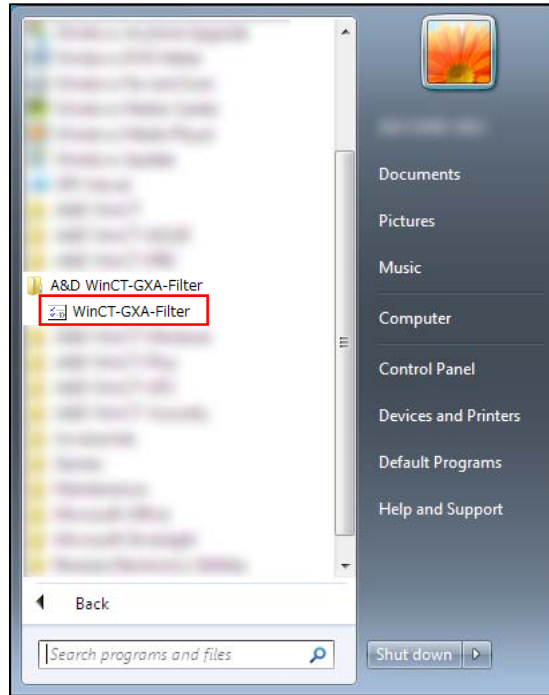   The device name is "AND USB Port for Balance".

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5. Start up

Navigate through Start → All Program → A&D WinCT-GXA-Filter and click WinCT-GXA-Filter. You can also start the application by double clicking the WinCT-GXA-Filter icon on the desktop.

Refer to the WinCT-GXA-Filter Instruction Manual located in the WinCT-GXA-Filter install folder for more information.

* When connecting a balance other than the GX-AE/GX-A/GF-A series or a non-A&D balance, this software may not operate correctly.

* Please contact the PC manufacturer for details on your PC.

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6. Uninstallation

To uninstall go to Programs and Features in Control Panel, select A&D WinCT-GXA-Filter and click Uninstall.

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7. License agreement

- WinCT-GXA-Filter cannot be reproduced without permission.

- WinCT-GXA-Filter specifications are subject to change for improvement without notice.

- The WinCT-GXA-Filter copyright is owned by A&D Company, Limited.

- WinCT-GXA-Filter transfers data from A&D electronic balances to a PC.

- WinCT-GXA-Filter can be installed to a PC hard drive or other memory device.

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