Bluetooth Communication Connection Table for Balances/Scales/Indicators

2025/10/17
A&D Company, Limited
Marketing Division

[Caution] Since AD-8541-SCALE is designed to receive power from a weighing instrument, the runtime of the weighing instrument will be significantly reduced when operated by batteries.

✓ : Available - : Not available

Model	Bluetooth interface (via RS-232C when AD-8541-SCALE is used)	RS-232C interface		Required cable and/or AC adapter	Windows PC (including Windows tablet)		Tablet/Smartphone (iOS, Android)		Notes
		Standard/Optional	Connector type		HID *1	Bi-directional Via AD-8541-PC (connected to a USB port of the PC) With WinCT (installed in the PC)	HID	Bi-directional With A&D WeiV (installed in the tablet/smartphone)	
BA-T	Built-in				✓	✓	✓	✓	
BA	AD-8541-SCALE	Standard	D-Sub 9-pin (male)		✓	✓	✓	✓	
BH-T	Built-in				✓	✓	✓	✓	
BH	AD-8541-SCALE	Standard	D-Sub 9-pin (male)		✓	✓	✓	✓	
BM	AD-8541-SCALE	Standard	D-Sub 9-pin (male)		✓	✓	✓	✓	
GH	AD-8541-SCALE	Standard	D-Sub 9-pin (male)	AX-TB301 + AX-TB-AMB2A12BK	✓	✓	✓	✓	An AC adapter is required because power cannot be supplied from the RS-232C of the balance.
GR	AD-8541-SCALE	Standard	D-Sub 25-pin (female)	AX-KO5363-30	✓	✓	✓	✓	
HR-i	AD-8541-SCALE	Standard	D-Sub 9-pin (male)	AX-TB301 + AX-TB-AMB2A12BK	✓	✓	✓	✓	An AC adapter is required because power cannot be supplied from the RS-232C of the balance.
HR-AZ/HR-A	GXA-27				✓	✓	✓	✓	
	AD-8541-SCALE	Standard	D-Sub 9-pin (male)		✓	✓	✓	✓	
GX-AE	AD-8541-SCALE	Standard	D-Sub 9-pin (male)		✓	✓	✓	✓	AD-8541-SCALE is used because GXA-27 cannot be mounted to GX-AE.
GX-A/GF-A	GXA-27				✓	✓	✓	✓	
	AD-8541-SCALE	Standard	D-Sub 9-pin (male)		✓	✓	✓	✓	
GX-AWP/GF-AWP	GXA-27				✓	✓	✓	✓	Dust/waterproof
	AD-8541-SCALE	Standard	D-Sub 9-pin (male)		✓	✓	✓	✓	Not dust/waterproof
	AD-8541-SCALE	Standard	D-Sub 9-pin (male)	AX-KO7695-500	✓	✓	✓	✓	Connect AD-8541-SCALE to the balance via AX-KO7695-500 (dust/waterproof on the balance side).
GX-M/GF-M	GXM-27				✓	✓	✓	✓	Dust/waterproof
	AD-8541-SCALE	Standard	D-Sub 9-pin (male)		✓	✓	✓	✓	Not dust/waterproof. Its LED faces downward when AD-8541-SCALE is connected to the balance.
	AD-8541-SCALE	Standard	D-Sub 9-pin (male)	AX-KO7695-500	✓	✓	✓	✓	Connect AD-8541-SCALE to the balance via AX-KO7695-500 (dust/waterproof on the balance side).
GX-L/GF-L	GXL-27				✓	✓	✓	✓	Dust/waterproof
	AD-8541-SCALE	Standard	D-Sub 9-pin (male)		✓	✓	✓	✓	Not dust/waterproof
	AD-8541-SCALE	Standard	D-Sub 9-pin (male)	AX-KO7695-500	✓	✓	✓	✓	Connect AD-8541-SCALE to the balance via AX-KO7695-500 (dust/waterproof on the balance side).
FZ-i/FX-i	GXA-27				✓	✓	✓	✓	
	AD-8541-SCALE	Standard	D-Sub 9-pin (male)		✓	✓	✓	✓	
FZ-iWP/FX-iWP	GXA-27				✓	✓	✓	✓	Dust/waterproof
	AD-8541-SCALE	Standard	D-Sub 9-pin (male)		✓	✓	✓	✓	Not dust/waterproof
	AD-8541-SCALE	Standard	D-Sub 9-pin (male)	AX-KO7695-500	✓	✓	✓	✓	Connect AD-8541-SCALE to the balance via AX-KO7695-500 (dust/waterproof on the balance side).
FX/FZ	GXA-27				✓	✓	✓	✓	
	AD-8541-SCALE	Standard	D-Sub 9-pin (male)		✓	✓	✓	✓	

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✓ : Available - : Not available

Model	Bluetooth interface (via RS-232C when AD-8541-SCALE is used)	RS-232C interface		Required cable and/or AC adapter	Windows PC (including Windows tablet)		Tablet/Smartphone (iOS, Android)		Notes
		Standard/Optional	Connector type		HID *1	Bi-directional Via AD-8541-PC (connected to a USB port of the PC) With WinCT (installed in the PC)	HID	Bi-directional With A&D WeiV (installed in the tablet/smartphone)	
FX-WP/FZ-WP	GXA-27				✓	✓	✓	✓	Dust/waterproof
	AD-8541-SCALE	Standard	D-Sub 9-pin (male)		✓	✓	✓	✓	Not dust/waterproof
	AD-8541-SCALE	Standard	D-Sub 9-pin (male)	AX-KO7695-500	✓	✓	✓	✓	Connect AD-8541-SCALE to the balance via AX-KO7695-500 (dust/waterproof on the balance side).
GX/GF	AD-8541-SCALE	Standard	D-Sub 25-pin (female)	AX-KO5363-30	✓	✓	✓	✓	
GX-K/GF-K	AD-8541-SCALE	Standard	D-Sub 25-pin (female)	AX-KO5363-30	✓	✓	✓	✓	Not dust/waterproof
GP	AD-8541-SCALE	Standard	D-Sub 25-pin (female)	AX-KO5363-30	✓	✓	✓	✓	Not dust/waterproof
MC	AD-8541-SCALE	Standard	D-Sub 25-pin (female)	AX-KO5363-30	✓	✓	✓	✓	
SV/SV-A	AD-8541-SCALE	Standard	D-Sub 25-pin (female)	AX-KO5363-30	-	✓	-	-	Use AD-8541-SCALE + AX-KO5363-30 + AD-8541-PC instead of AX-USB25P. Use WinCT-Viscosity instead of WinCT.
MS/MX/MF/ML	AD-8541-SCALE	Standard	D-Sub 25-pin (female)	AX-KO5363-30	-	✓	-	-	Use AD-8541-SCALE + AX-KO5363-30 + AD-8541-PC instead of AX-USB25P. Use WinCT-Moisture instead of WinCT.
MS-74AT/MX-53AT	AD-8541-SCALE	Standard	D-Sub 9-pin (female)		-	✓	-	-	
MS-74A/MX-53A/MF-53A/ML-53A	AD-8541-SCALE	Standard	D-Sub 9-pin (female)		-	✓	-	-	
EJ	EJ-27				✓	✓	✓	✓	
	AD-8541-SCALE	EJ-03	D-Sub 9-pin (male)		✓	✓	✓	✓	
EK-i/EW-i	AD-8541-SCALE	Standard	D-Sub 9-pin (male)		✓	✓	✓	✓	Its LED faces downward when AD-8541-SCALE is connected to the balance.
EK-L	AD-8541-SCALE	Standard	D-Sub 9-pin (male)	AX-KO2741-100 D-Sub 9-pin gender changer (male to male)	✓	✓	✓	✓*2	The LED is not visible, and the switch cannot be pressed due to the RS-232C connector being located underneath the scale. Use AX-KO2741-100 + gender changer (male to male) between the RS-232C connector and AD-8541-SCALE to extend the connection.
FG	FG-27				✓	✓	✓	✓	
	AD-8541-SCALE	FG-23 or FG-24	DIN 8-pin (female)	AX-KO5543-100	✓	✓	✓	✓	
FG + AD-1612	AD-8541-SCALE	FG-24 + AD-1612	D-Sub 9-pin (male) (AD-1612)	AX-KO5862-S200 (for connecting FG-24 and AD-1612)	✓	✓	✓	✓	Connect AD-8541-SCALE to AD-1612 when both the comparator buzzer and Bluetooth communication are required.
FG-CWP	FG-27CWP				✓	✓	✓	✓	No RS-232C interface to connect AD-8541-SCALE.
FS-i	AD-8541-SCALE	FS-03iJA	Terminal block	AX-KO7374-200	✓	✓	✓	✓*2	
FC-i/Si	AD-8541-SCALE	Standard	D-Sub 9-pin (male)		✓*3	✓	✓*3	✓*2	Its LED faces downward when AD-8541-SCALE is connected to the scale.
GC	AD-8541-SCALE	Standard	D-Sub 9-pin (male)		✓*3	✓	✓*3	✓	In HID mode, only one of either PCS or Weight can be output (Unit weight, ID, Timestamp, etc., cannot be output).
HC-i	AD-8541-SCALE	HC-03i or HC-04i	DIN 8-pin (female)	AX-KO5543-100	✓*3	✓	✓*3	✓*2	In HID mode, only one of either PCS or Weight can be output (Unit weight, ID, etc., cannot be output).
HC-i＋AD1612	AD-8541-SCALE	HC-04i + AD-1612	D-Sub 9-pin (male) (AD-1612)	AX-KO5862-S200 (for connecting HC-04i and AD-1612)	✓*3	✓	✓*3	✓*2	Connect AD-8541-SCALE to AD-1612 when both the comparator buzzer and Bluetooth communication are required. In HID mode, only one of either PCS or Weight can be output (Unit weight, ID, etc., cannot be output).
HD	Connection not possible	-	-	-	-	-	-	-	
SJ-WP-BT	Built-in				-	✓	-	✓	HID not available. Bi-directional communication only.
HV-C/CP HW-C/CP	HVW-27C				✓	✓	✓	✓*2	
	AD-8541-SCALE	HVW-03C	D-Sub 9-pin (male)		✓	✓	✓	✓*2	
HV-CWP HW-CWP	HVW-27CWP				✓	✓	✓	✓*2	
	AD-8541-SCALE	HVW-03CWP	Terminal block	AX-KO7374-200	✓	✓	✓	✓*2	Since HVW-03CWP requires terminal block connection, the built-in type HVW-27CWP is recommended.

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✓ : Available - : Not available

Model	Bluetooth interface (via RS-232C when AD-8541-SCALE is used)	RS-232C interface		Required cable and/or AC adapter	Windows PC (including Windows tablet)		Tablet/Smartphone (iOS, Android)		Notes
		Standard/Optional	Connector type		HID *1	Bi-directional Via AD-8541-PC (connected to a USB port of the PC) With WinCT (installed in the PC)	HID	Bi-directional With A&D WeiV (installed in the tablet/smartphone)	
HV-G/HW-G	AD-8541-SCALE	Standard	DIN 8-pin (female)	AX-KO5543-100	✓	✓	✓	✓*2	
HV-WP/HW-WP	AD-8541-SCALE	Standard	DIN 8-pin (female)	AX-KO5543-100	✓	✓	✓	✓*2	
SC/SE	SCE-27				✓	✓	✓	✓*2	
	AD-8541-SCALE	SCE-03	Terminal block	AX-KO7374-200	✓	✓	✓	✓*2	Since SCE-03 requires terminal block connection, the built-in type SCE-27 is recommended.
SW	AD-8541-SCALE	SW-03	Terminal block	AX-KO7374-200	✓	✓	✓	✓*2	
AD-4212A	AD-8541-SCALE	Standard	D-Sub 25-pin (female)	AX-KO5363-30	✓	✓	✓	✓	
AD-4212B	AD-8541-SCALE	Standard	D-Sub 25-pin (female)	AX-KO5363-30	✓	✓	✓	✓	
AD-4212C	AD-8541-SCALE	Standard	D-Sub 9-pin (female)	D-Sub 9-pin gender changer (male to male)	✓	✓	✓	✓	A 10 m cable is supplied as standard with AD-4212C. An optional 2 m cable AX-KO3590-200 is also available.
AD-4212D	AD-8541-SCALE	Standard	D-Sub 9-pin (female)	AX-KO4472-150 D-Sub 9-pin gender changer (male to male)	✓	✓	✓	✓	
AD-4212F	AD-8541-SCALE	Standard	D-Sub 9-pin (female)	D-Sub 9-pin gender changer (male to male)	✓	✓	✓	✓	
AD4329A	AD-8541-SCALE	AD4329A-04	D-Sub 9-pin (male)	AX-TB301 + AX-TB-AMB2A12BK	-	✓	-	-	HID cannot be used as the data format is different. Refer to the communication setting examples.
AD4401A	AD-8541-SCALE	AD4401A-04	D-Sub 25-pin (female)	AX-KO5363-30	-	✓	-	-	HID cannot be used as the data format is different. Refer to the communication setting examples.
AD4402	AD-8541-SCALE	AD4402-04	D-Sub 25-pin (female)	AX-KO5363-30 AX-TB301 + AX-TB-AMB2A12BK	-	✓	-	-	HID cannot be used as the data format is different. Refer to the communication setting examples.
AD4404	AD-8541-SCALE	AD4402-04	D-Sub 25-pin (female)	AX-KO5363-30 AX-TB301 + AX-TB-AMB2A12BK	-	✓	-	-	HID cannot be used as the data format is different. Refer to the communication setting examples.
AD4405A	AD-8541-SCALE	AD4405-05 AD4405-08	D-Sub 9-pin (male)		-	✓	-	-	HID cannot be used as the data format is different. Refer to the communication setting examples.
AD4406A	AD-8541-SCALE	AD4406-04 AD4406-06 AD4406-08	D-Sub 9-pin (male)		-	✓	-	-	HID cannot be used as the data format is different. Refer to the communication setting examples.
AD4407A	AD-8541-SCALE	AD4407-05 AD4407-08	Terminal block	AX-KO7374-200	-	✓	-	-	HID cannot be used as the data format is different. Refer to the communication setting examples.
AD4410	AD-8541-SCALE	Standard	D-Sub 9-pin (male)	AX-TB301 + AX-TB-AMB2A12BK	-	✓	-	-	HID cannot be used as the data format is different. Refer to the communication setting examples.

*1 Using the Bluetooth function integrated into the PC (Unavailable for PCs lacking this feature)
*2 The weighing instrument will return "?" or an error code when connected to A&D WeiV because it does not support the ?SN or ?TN command.
*3 The counting scales GC/HC-i/FC-i can output multiple data.
In HID mode, only one of either PCS or Weight can be output (Unit weight, ID, Timestamp, etc., cannot be output).
The data output interval is set to 2 seconds.

GC: Internal setting F-06-02 PCS+Weight=0110, PCS=0100, Weight=0010
Internal setting F-06-12=1
HC-i: Internal setting F-06-02 PCS+Weight=0110, PCS=0100, Weight=0010
Internal setting F-06-03=0
FC-i: Internal setting F-06/07/08-02 PCS+Weight=00110, PCS=00100, Weight=00010
Internal setting F-06/07/08-03=0