

Compatibility of RFID readers and electronic scales with

EweManage and mobile versions

Device to connect	« In barn » mode of EweManage on PC	Android phone or tablet	IPhone, IPad or IPod touch	EweManage sorter on Windows 10	EweManage drafter on Windows 10	C-ONE2 or NAUTIZ X6 (AndrOvin)
Allflex RFID reader 	 requires BerGèreConnect ⁽⁴⁾ software	 require SMG ⁽¹⁾ software	 require SMK ⁽²⁾ software	 requires BerGèreConnect ⁽⁴⁾ software	NOT APPLICABLE	NOT required
Allflex RS420 reader 	 requires BerGèreConnect ⁽⁴⁾ software	 require SMG ⁽¹⁾ software	 require SMK ⁽²⁾ software	 requires BerGèreConnect ⁽⁴⁾ software	NOT APPLICABLE	NOT required
TruTest XRS2 reader 	 <u>NOT recommended</u> <i>(connection possible but not reliable. Needs repairing at each session)</i> HID available ⁽³⁾ but random operation	 Works well in HID mode ⁽³⁾ But must be repaired at each session	 require SMK ⁽²⁾ software . HID mode does not work on IOS		NOT APPLICABLE	NOT required

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 <p>Lecteur TruTest XRS2i ⁽¹⁶⁾</p>	 Operates well in HID mode. No need for BerGère connect See Note 14	 Operates well in HID mode, no need for SMG See Note 15	 Operates well in HID mode, no need for SMK See Note 15	 Operates well in HID mode. No need for BerGère connect See Note 14	NOT APPLICABLE	Not required
 <p>Allflex/Agrident</p>	 requires BerGèreConnect ⁽⁴⁾ software Note : HID ⁽³⁾ available but not recommended See note 12	 Note : HID ⁽³⁾ available ⁽¹²⁾ SMG ⁽¹⁾ software not compatible	 Requires IOD14 and + ⁽¹²⁾ Not compatible with SMK ⁽²⁾	 requires BerGèreConnect ⁽⁴⁾ software	NOT APPLICABLE	NOT required
 <p>Syscan, Bluetooth model</p>	 Must have the optional Bluetooth module requires BerGèreConnect ⁽⁴⁾ software	 require SMG ⁽¹⁾ software		 requires BerGèreConnect ⁽⁴⁾ software	NOT APPLICABLE	NOT required
	 No software required, use HID or HID Smart	 No software required, use HID only, note 17	 No software required, use HID Smart, note 18	 Mode scale connect, use HID mode	NOT APPLICABLE	NOT required

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Galagher HR3 		 require SMG ⁽¹⁾ software			NOT APPLICABLE	NOT required
Galagher HR4 /5 	 requires BerGèreConnect ⁽⁴⁾ software	 require SMG ⁽¹⁾ software		 requires BerGèreConnect ⁽⁴⁾ software	NOT APPLICABLE	NOT Required
Gallagher 800 & 810 + RFID ⁽⁷⁾ reader Connected on scale 	 DB9 to USB serial cable + BergereConnect ⁽⁴⁾ or Bluetooth with DB9 to bluetooth adapter ⁽⁵⁾ + SerialMagic Professional Windows ⁽⁶⁾	 <u>Not tested</u> Bluetooth with DB9 to bluetooth adapter ⁽⁵⁾ + SMG ⁽¹⁾ software	 <u>Not tested</u> Bluetooth with DB9 to bluetooth adapter ⁽⁵⁾ + SMK ⁽²⁾ software	NOT APPLICABLE	 DB9 to USB serial cable + BergereConnect ⁽⁴⁾ or Bluetooth with DB9 to bluetooth adapter ⁽⁵⁾ + SerialMagic Professional Windows ⁽⁶⁾	

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Gallagher 800 & 810 + RFID ⁽⁸⁾ reader connected on mobile 		 <u>Not tested</u> Bluetooth with DB9 to bluetooth adapter ⁽⁵⁾ + SMG ⁽¹⁾ software	 <u>Not tested</u> Bluetooth with DB9 to bluetooth adapter ⁽⁵⁾ + SMK ⁽²⁾ software	NOT APPLICABLE		 <u>Not tested</u> Bluetooth with DB9 to bluetooth adapter ⁽⁵⁾ + SMK ⁽²⁾ software
Gallagher TSI + RFID ⁽⁷⁾ reader Connected on scale 	 DB9 to USB serial cable + BergereConnect ⁽⁴⁾ or Bluetooth with DB9 to bluetooth adapter ⁽⁵⁾ + SerialMagic Professional Windows ⁽⁶⁾	 <u>Not tested</u> Bluetooth with DB9 to bluetooth adapter ⁽⁵⁾ + SMG ⁽¹⁾ software	 <u>Not tested</u> Bluetooth with DB9 to bluetooth adapter ⁽⁵⁾ + SMK ⁽²⁾ software	NOT APPLICABLE	 <u>NOT Tested</u> DB9 to USB serial cable + BergereConnect ⁽⁴⁾ or Bluetooth with DB9 to bluetooth adapter ⁽⁵⁾ + SerialMagic Professional Windows ⁽⁶⁾	 <u>Not tested</u> Bluetooth with DB9 to bluetooth adapter ⁽⁵⁾ + logiciel SMK ⁽²⁾
Gallagher TSI + RFID ⁽⁸⁾ reader  connected on mobile	 DB9 to USB serial cable + BergereConnect ⁽⁴⁾ or Bluetooth with DB9 to bluetooth adapter ⁽⁵⁾ +	 Bluetooth with DB9 to bluetooth adapter ⁽⁵⁾ + logiciel SMG ⁽¹⁾ software	 Bluetooth with DB9 to bluetooth adapter ⁽⁵⁾ + SMK ⁽²⁾ software	NOT APPLICABLE		 Bluetooth with DB9 to bluetooth adapter ⁽⁵⁾ + SMG ⁽¹⁾ software

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	SerialMagic Professional Windows ⁽⁶⁾					
Gallagher TW-3 & TWR-5 RFID ⁽⁷⁾ reader Connected on scale 	✓ DB9 to USB serial cable + BergereConnect ⁽⁴⁾ or Bluetooth with DB9 to bluetooth adapter ⁽⁵⁾ + SerialMagic Professional Windows ⁽⁶⁾	✓ Bluetooth with DB9 to bluetooth adapter ⁽⁵⁾ + SMG ⁽¹⁾ software	✓ Bluetooth with DB9 to bluetooth adapter ⁽⁵⁾ + SMK ⁽²⁾ software	NOT APPLICABLE	✓ Bluetooth with DB9 to bluetooth adapter ⁽⁵⁾ + SerialMagic Professional Windows ⁽⁶⁾	✓ Bluetooth with DB9 to bluetooth adapter ⁽⁵⁾ + SMG ⁽¹⁾ software
Gallagher TW-3 et TWR-5 + RFID ⁽⁸⁾ reader  connected on mobile	✓ DB9 to USB serial cable + BergereConnect ⁽⁴⁾ or Bluetooth with DB9 to bluetooth adapter ⁽⁵⁾ + SerialMagic Professional Windows ⁽⁶⁾	✓ Bluetooth with DB9 to bluetooth adapter ⁽⁵⁾ + SMG ⁽¹⁾ software	✓ Bluetooth with DB9 to bluetooth adapter ⁽⁵⁾ + SMK ⁽²⁾ software	NOT APPLICABLE	✓ Bluetooth with DB9 to bluetooth adapter ⁽⁵⁾ + SerialMagic Professional Windows ⁽⁶⁾	✓ Bluetooth with DB9 to bluetooth adapter ⁽⁵⁾ + logiciel SMG ⁽¹⁾ for the scale. Uses the C-ONE2 internal RFID reader

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Gallagher W0  No connectivity	✘	✘	✘	✘	✘	✘
Gallagher W1  RFID ⁽⁷⁾ reader Connected on scale	✔ Direct connect 	✔ Direct connect 	✘	✔ Direct connect 	✔ Direct connect 	✔ Direct connect 
TruTest EziWeigh 7i + RFID ⁽⁷⁾ reader Connected on scale ⁽¹³⁾ 	✔ DB9 to USB serial cable + BergereConnect ⁽⁴⁾ or Bluetooth ⁽¹⁰⁾ with DB9 to bluetooth adapter ⁽⁵⁾ + SerialMagic Professional Windows ⁽⁶⁾	⚠ <u>Not tested</u> Bluetooth with DB9 to bluetooth adapter ⁽⁵⁾ + SMG ⁽¹⁾ software	⚠ <u>Not tested</u> Bluetooth with DB9 to bluetooth adapter ⁽⁵⁾ + SMK ⁽²⁾ software	NOT APPLICABLE	✔ DB9 to USB serial cable + BergereConnect ⁽⁴⁾ or Bluetooth ⁽¹⁰⁾ with DB9 to bluetooth adapter ⁽⁵⁾ + SerialMagic Professional Windows ⁽⁶⁾	⚠ <u>Not tested</u> Bluetooth with DB9 to bluetooth adapter ⁽⁵⁾ + SMG ⁽¹⁾ software

Device to connect	« In barn » mode of EweManage on PC	Android phone or tablet	IPhone, IPad or iPod touch	EweManage sorter on Windows 10	EweManage drafter on Windows 10	C-ONE2 or NAUTIZ X6 (AndrOvin)
TruTest EziWeigh 7i + RFID ⁽⁸⁾ reader connected on mobile ⁽¹³⁾ 	 DB9 to USB serial cable + BergereConnect ⁽⁴⁾ or Bluetooth ⁽¹⁰⁾ with DB9 to bluetooth adapter ⁽⁵⁾ + SerialMagic Professional Windows ⁽⁶⁾	 Direct connect 	 <u>Not tested</u> Bluetooth with DB9 to bluetooth adapter ⁽⁵⁾ + SMK ⁽²⁾ software	NOT APPLICABLE		 Direct connect 
TruTest XR3000 + RFID ⁽⁷⁾ reader Connected on scale 	 DB9 to USB serial cable + BergereConnect ⁽⁴⁾ or Bluetooth ⁽¹⁰⁾ with DB9 to bluetooth adapter ⁽⁵⁾ + SerialMagic Professional Windows ⁽⁶⁾	 <u>Not tested</u> Bluetooth with DB9 to bluetooth adapter ⁽⁵⁾ + SMG ⁽¹⁾ software	 <u>Not tested</u> Bluetooth with DB9 to bluetooth adapter ⁽⁵⁾ + SMK ⁽²⁾ software	NOT APPLICABLE	 DB9 to USB serial cable + BergereConnect ⁽⁴⁾ or Bluetooth ⁽¹⁰⁾ with DB9 to bluetooth adapter ⁽⁵⁾ + SerialMagic Professional Windows ⁽⁶⁾	 <u>Not tested</u> Bluetooth with DB9 to bluetooth adapter ⁽⁵⁾ + logiciel SMG ⁽¹⁾
TruTest	 DB9 to USB serial cable + BergereConnect ⁽⁴⁾ or	 Bluetooth with DB9 to bluetooth adapter ⁽⁵⁾ +	 <u>Not tested</u> Bluetooth with DB9 to bluetooth adapter ⁽⁵⁾ +	NOT APPLICABLE		 Bluetooth with DB9 to bluetooth adapter ⁽⁵⁾ + logiciel SMG ⁽¹⁾

Device to connect	« In barn » mode of EweManage on PC	Android phone or tablet	IPhone, iPad or iPod touch	EweManage sorter on Windows 10	EweManage drafter on Windows 10	C-ONE2 or NAUTIZ X6 (AndrOvin)
XR3000 +RFID ⁽⁸⁾ reader connected on  mobile	Bluetooth ⁽¹⁰⁾ with DB9 to bluetooth adapter ⁽⁵⁾ + SerialMagic Professional Windows ⁽⁶⁾	SMG ⁽¹⁾ software	SMK ⁽²⁾ software			
TruTest XR5000 + RFID ⁽⁷⁾ reader Connected on scale 	 Direct connect 	 Direct connect 		NOT APPLICABLE	 Direct connect 	
TruTest XR5000 + RFID ⁽⁸⁾ reader  connected on mobile	 Direct connect 	 Direct connect 		NOT APPLICABLE		 Direct connect 
TruTest						

Device to connect	« In barn » mode of EweManage on PC	Android phone or tablet	iPhone, iPad or iPod touch	EweManage sorter on Windows 10	EweManage drafter on Windows 10	C-ONE2 or NAUTIZ X6 (AndrOvin)
S3 ⁽¹¹⁾ 		Requires  SMG ⁽¹⁾ (\$300 US)	Requires  SMK ⁽²⁾			Requires  SMG ⁽¹⁾ (\$300 US)
Te Pari  Auto Drencher				 WiFi Direct connect		

Notes :

- 1) SMG : Serial Magic gears software available on Google play store. Paid option required. To connect the TruTest S3 scale, you need to buy the “Power upgrade Licence”
- 2) SMK : Serial Magic Keys software, available on AppStore. Paid option required
- 3) HID : Protocol that allows the information read by a reader to be sent directly to a field where the cursor is located, irregardless of the application used on the mobile (keyboard emulator). HID might be available or not on some readers depending upon the software release. Most readers can be release upgraded through the manufacturer web site.
- 4) BerGèreConnect : Keyboard emulation software for Windows only that allows any information coming from bluetooth or serial port to be sent to a field where the cursor is located, irregardless of the application running on your PC.
- 5) DB9 to Bluetooth adapter: allow Operates with serial magic  to convert a DB9 serial port (available on most scales) into a Bluetooth port. softwares without requiring any of the paid option as in 1) and 2) above.
- 6) SerialMagic Professional Windows : Version of Serial Magic for windows 10. Works with Windows Low Energy protocol. Allows to send the information received on a Bluetooth port and send it to a field where the cursor is located in your PC application.
- 7) In this mode of operation, any RFID reader is direct connected to the bluetooth port of the scale, NOT to the mobile or to your tablet. Scale must be configured to output EID and weight on stabilised weight.
- 8) In this mode of operation, the RFID reader is connected to your mobile or tablet (in the case of the C-ONE2: it is integrated in the mobile) The scale must be configured to output stabilised weight only.
- 9)  Not tested means that the mode of operation shall function but has not been physically tested and may require minor adjustments to the software. In these cases, software adjustments required would be free of charges, but the user may have to send his equipment for testing and in this case, shipping charges are the customer responsibility.
- 10) The scale requires a special adaptor cable sold only by TruTest to convert the DB9 port into a USB port.
- 11) The S3 scale cannot connect to an RFID reader. The reader must be connected to the mobile.
- 12) Reader configuration:
 - a. For IOS: Bluetooth mode « Master » profile « HID Smart », output format « Short ASCII 16 » allows to read tags directly on Mobile eweManage on IOS. Reconnexion is fast and automatic after reader is turned on. One must configure the reader to read 15 and not 16 digits, eliminating the leading “0”.
 - b. For Windows:
 - i. In HID mode (direct reading to a windowes application such as EweManage – Bergere connect not required) Bluetooth mode « Slave » profile “HID” output format “Short ASCII 16”. When paired with your PC the device may appear as

“keyboard”. However, you have to unpair the device for each reconnection and the connection is quite difficult to reach (may take 5-6 tries)

- ii. With SPP profile: use of BerGere Connect to read tags into a windows application: Works OK however, need to shut down bergere connect and relaunch the application each time the reader reconnects. But this is much easier and faster than the above (and less frustrating)
- c. For Android: in HID mode: direct reading of the tag in AndrOvin. Bluetooth mode « Slave » profile “HID” output format “Short ASCII 16”. Works perfectly. However, same behaviour as above: at each reconnection, you have to reach the bluetooth setup of your mobile, remove the AWR300 from the list of connected equipments and reconnect by clicking on it in the list of available devices. This is a bit frustrating but at least will reconnect easily without issue.
- d.

13) EZiWeigh7 setup:

Menu – setups – « enter »

- Sort (nothing to do)
- Prefix VID (nothing to do)
- Augmen VID auto (inactive)
- Repeat (inactive)
- Lighting...
- Resolution (0.5)
- Auto save (inactive)
- Date ...
- Time....
- Zero auto (active)
- Auto stop(active)
- Immediate ID save (inactive)
- System amortissement (Smart III – Sheep)
- Tolerance (0.1)
- Weight units (Kg)
- Language..
- Weight exit (after recording - stable)
- BT adress (nothing to do : according to the unit)

Tested software release 3.43

- 14) Windows : The reader reconnects automatically to the Windows Bluetooth, however, prior to each session, even if the Bluetooth blue light is on, you must reach the Bluetooth parameters, select “Paired devices” and reconnect the HID Host server. For the Ewemanage mobile application working on a Windows tablet, you must select the configuration “With no reader”. For the “In barn” mode , no special setup is required
- 15) 15) For applications on IOS (Apple) or AndrOvin on Android, you must always work in HID mode. However, you will have to reconnect the reader from your Bluetooth setups of the mobile since the reader does not reconnect automatically even if it is set to “auto”. On the other hand, you do not have to reconnect the HID Host server as in 14) above for Windows.
- 16) SRS2i was tested with firmware 1.4.11.7
- 17) Use HID only as HID Smart will not work. Bluetooth reconnection via the Bluetooth interface is required each time the reader is turned on as the reader will not reconnect automatically by itself. Use Short ASCII 16 as output data format. Tested with Android 10
- 18) Use HID Smart mode to initiate automatic reconnect each time the reader is turned on. Use Short ASCII 16 as output data format.