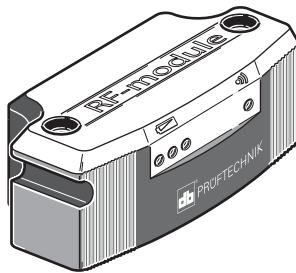


Guide to using the Bluetooth RF module



Dear Customer,

If you have any suggestions for improvement or corrections (not only to this guide, but also to software or hardware), please drop us a line. We would be glad to make improvements wherever possible. We look forward to hearing from you.

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The Bluetooth RF module passes alignment readings from the measurement receiver to the ROTALIGN Ultra internal antenna. The module covers direct line of sight distances of up to 10 m/33' depending on the prevailing environmental conditions. Its electronic compartment complies with code IP65 (dust tight and protected against water jets). The RF module is powered using 2 'AA' size batteries. The operating time for the batteries is 14 hours – based on an operating cycle of 50% measurement, 50% standby.

1. Mounting the Bluetooth RF module

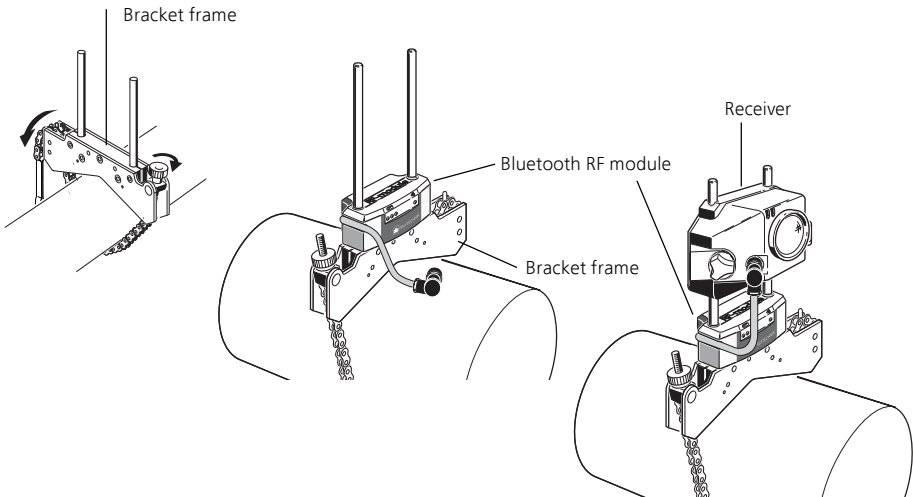
Connect the cable ALI 4.505-0,2 to the Bluetooth RF module ALI 4.621 by inserting the cable plug into the four-pin socket on the side of the module with a groove.



Note

Match the red dot on the plug to the groove on the socket to ensure proper plug orientation.

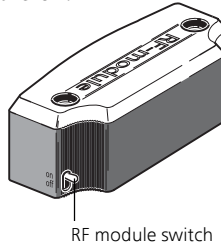
Mount the Bluetooth RF module on the support posts of the bracket fixed on the shaft of the right machine (usually moveable machine) as shown in the figure below. The module clamps on the support posts. It is recommended to mount the RF module on to the bracket frame.



2. Switch the Bluetooth RF module on

After mounting the receiver on the support posts, connect the module to the receiver by inserting the opposite end of the cable into the 8-pin receiver socket, noting the keyway orientation.

Switch the Bluetooth RF module on.



The operating time LEDs blink for 3 seconds. The module is now ready for operation. When the RF module is switched on, it supplies power to the receiver. If no measurement action is activated in ROTALIGN Ultra, the power supply to the receiver stops.

Operating time LED indicators

State of LEDs	Indicates
3 LEDs lit continuously	Operating time is between 75%–100%
2 LEDs lit continuously	Operating time is between 50%–75%
1 LED lit continuously	Operating time is between 25%–50%
Only 1 LED blinking (slowly)	Operating time is under 25%
Only 1 LED blinking (very fast)	Operating time in critical phase. Measurement should not be taken


The operating time may vary slightly depending on the type of batteries used.

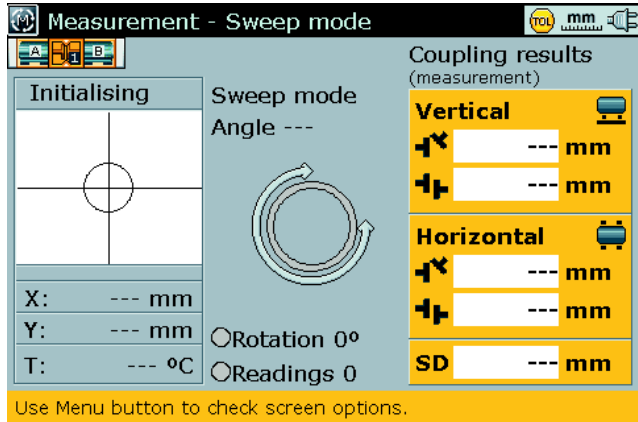



Note

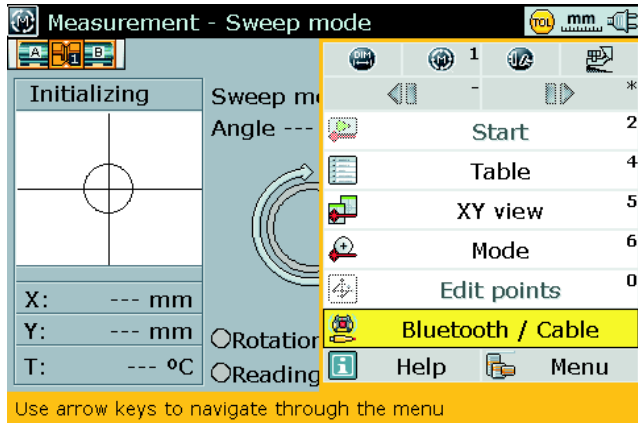
3. Configuring ROTALIGN Ultra to carry out measurement using the RF module


To configure ROTALIGN Ultra, proceed as follows:

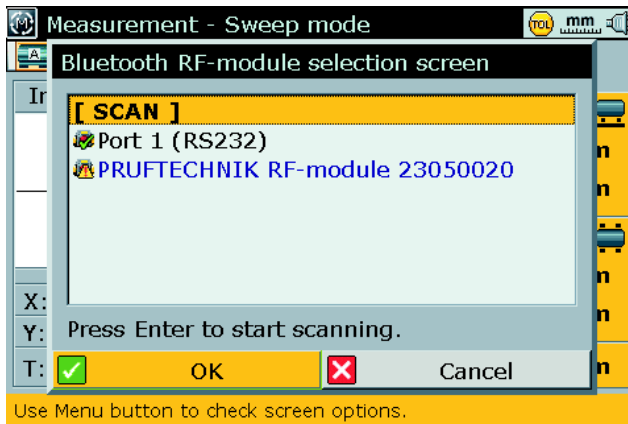
1. After entering machine dimensions as described in the both the ROTALIGN Ultra Shaft alignment operating instructions ALI 9.846.G and the Pocket guide ALI 9.844.G, press . The measure screen shown below appears.



2. Press  to access the context menu so as to choose the desired data transmission mode.

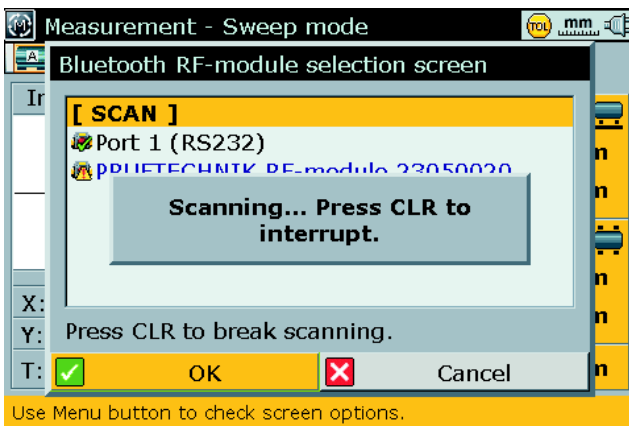


3. Use the navigation keys to highlight 'Bluetooth/Cable'. Press  to confirm selection. The following screen appears.

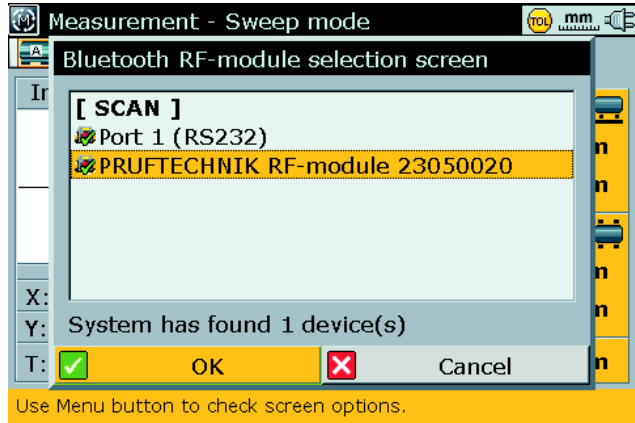


Note: Up to a maximum of 5 RF modules previously detected by the instrument, always appear on the selection screen.

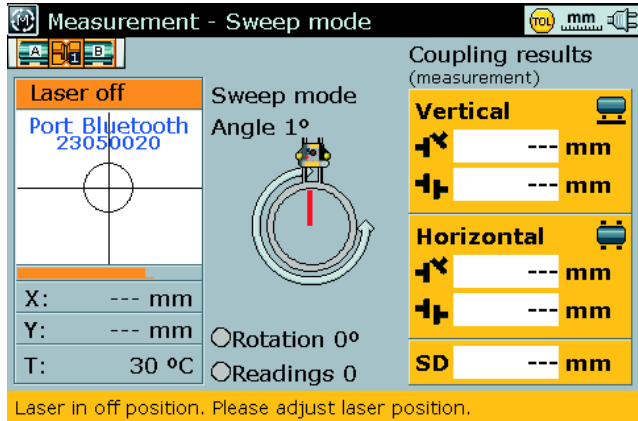
- Use / to highlight 'Scan' and then press . With this step, the neighbourhood is scanned for Bluetooth devices.



After the scanning process is completed, any RF modules detected will be listed with a green tick on the side, as can be seen in the diagram that follows.

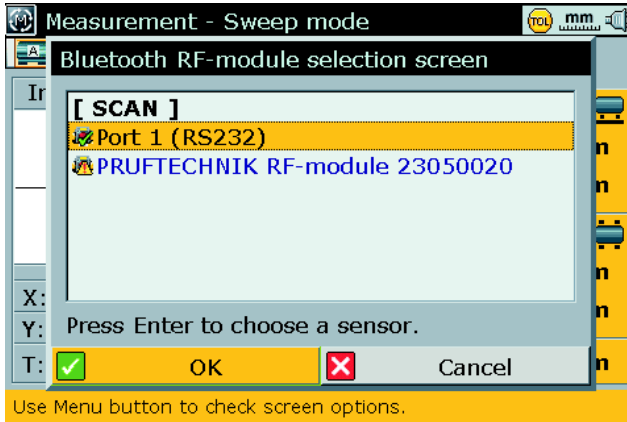





5. Use / to select the appropriate RF module (e.g. 'PRUFTECHNIK RF-module 23050020'). Press to confirm selection and proceed with measurement.



4. Changing data transmission mode from Bluetooth to cable

1. Repeat steps 1 through 3 from the previous section 3.



2. Use  /  to select 'Port1' for cable transmission. Press  to confirm selection and proceed with measurement.

Notes

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new and current products, accessories and technical
applications.**

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From the inventors of laser shaft alignment