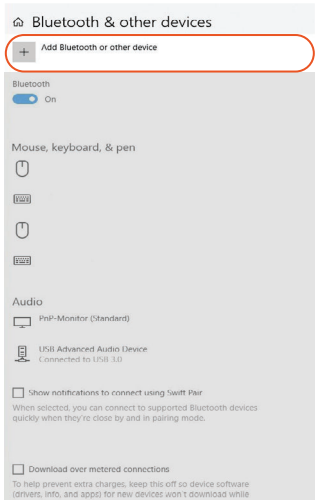
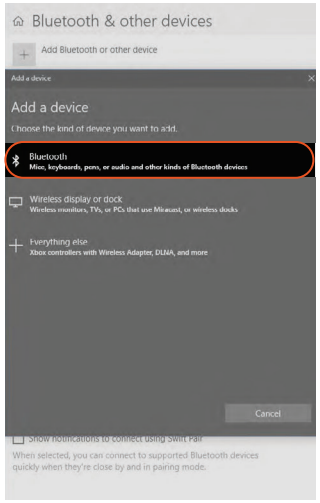
CONNECT WITH MICROSOFT WINDOWS 10:

01



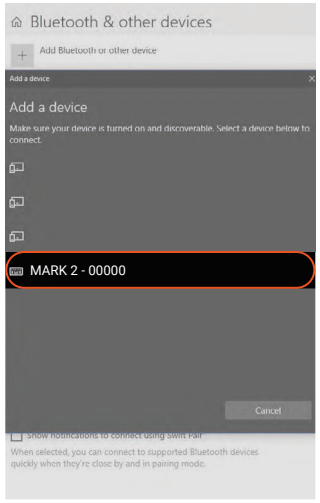
Under “Bluetooth & other devices,” click on “Add Bluetooth and other devices”.

02



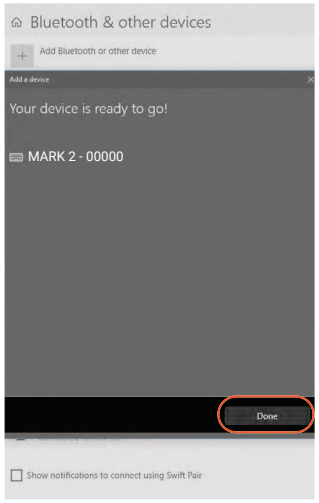
Select the option “Bluetooth: Mouses, keyboards and other types”.

03



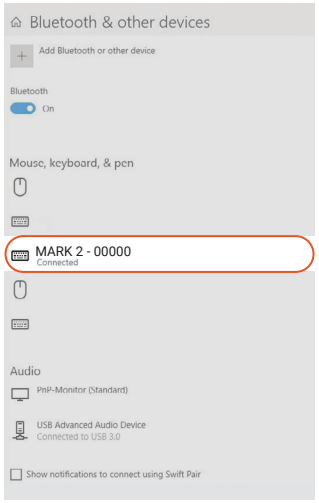
Select “MARK 2 - 00000”.

04



Click “Done”.

RESULT



The scanner will flash blue twice and you will hear two beeps. The scanner will be shown as connected under “Bluetooth & other devices,” and is ready for use.

5TH STEP: SCAN

CAUTION
For mid range scanning range: do not look directly into the crosshairs!
Otherwise this can lead to temporary blinding effects.

The scanner is an omnidirectional scanner. Scanner can thus scan barcodes from different angles.
For a standard range device (serial number: MXSR...), the scanning range is between 4 - 31 in (10-80 cm) per application case and barcode size. For a mid range device (serial number: MXMR...), the scanning range is 12 - 52 in (30-150 cm) per application case and barcode size.

1. Press the textile trigger on the glove in order to activate the crosshairs.

2. Aim scanner crosshairs at the barcode and scan.

EXAMPLE BARCODE

RESULT
Scanner lights up green. You can hear a beeping sound and feel a short vibration.
Scanner has scanned the example barcode and transmitted it to the end device.

6TH STEP: DISCONNECT SCANNER

DISCONNECT SCANNER FROM THE CONNECTIVITY DEVICE

→ Use the scanner to scan the pairing code of a different Gateway.

RESULT
Scanner is disconnected from the Gateway and is connected to a new Gateway.

→ Place the scanner in the Charging Station.

RESULT
The scanner is disconnected from Gateway and can be connected to a new one.

DISCONNECT THE CONNECTION CABLE FROM THE GATEWAY:

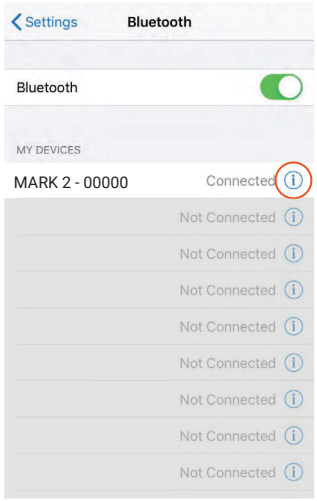
RESULT
The LED of the Gateway no longer lights up green. The connection cable is disconnected from the Gateway.

6TH STEP: DISCONNECT SCANNER (BLE HID)

NOTE: Only disconnect scanner if this is to be newly connected to another end device.

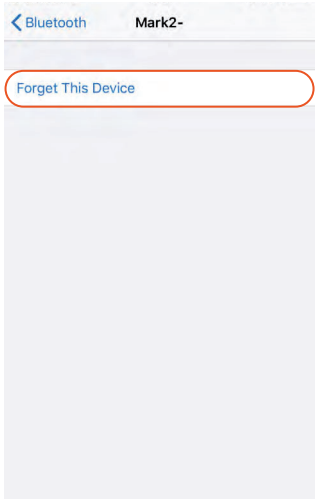
DISCONNECT FROM APPLE iOS:

01



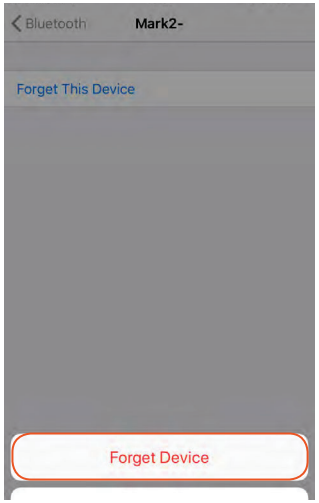
Under: “Settings - Bluetooth,” tap on the ⓘ symbol.

02



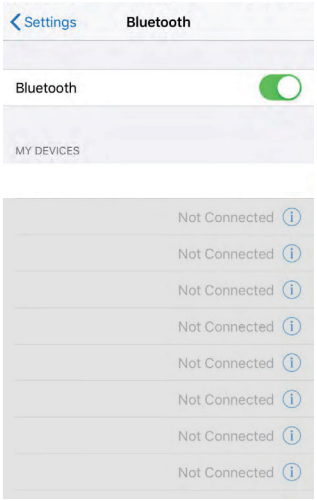
Tap on “Forget this device.”

03



Confirm “Forget Device.”

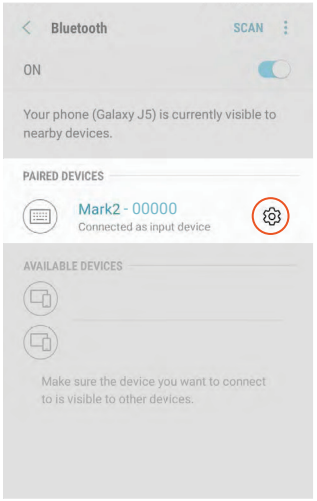
RESULT



The scanner will flash red three times and you will hear three beeps. Scanner will no longer be shown as connected under “My devices.”

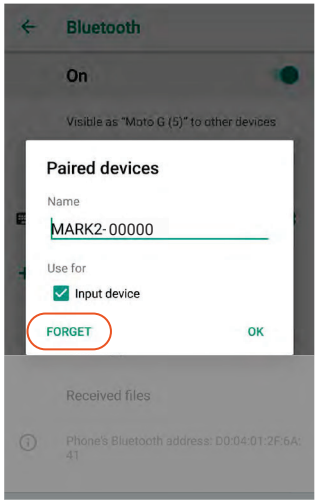
DISCONNECTING FROM GOOGLE ANDROID:

01



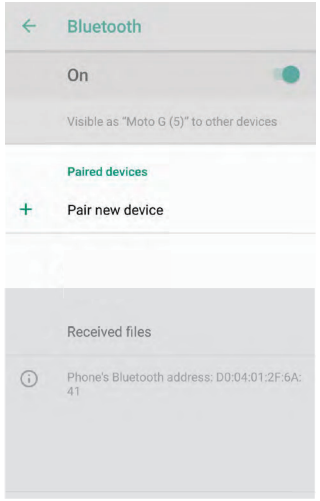
In the Bluetooth option under “Paired devices,” tap on the gear wheel symbol of “MARK 2 - 00000.”

02



Select “Forget.”

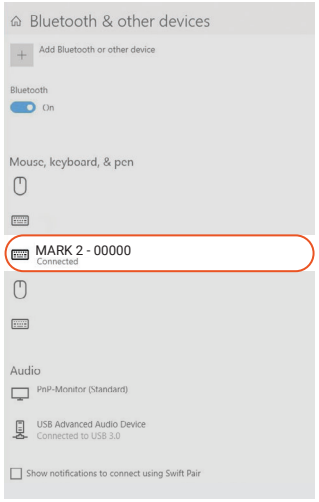
RESULT



The scanner will flash red three times and you will hear three beeps. Scanner will no longer be shown as connected under “Paired devices.”

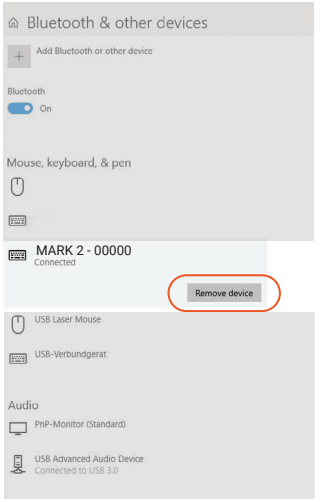
DISCONNECTING FROM MICROSOFT WINDOWS:

01



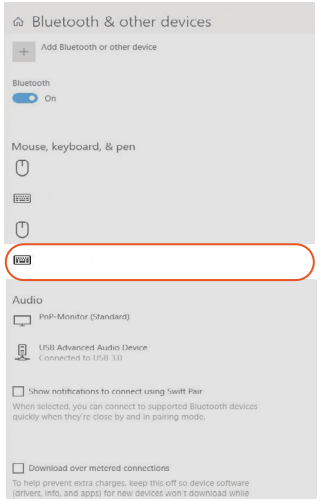
Under “Bluetooth & other devices,” select “MARK 2 - 00000.”

02



Click “Remove device.”

RESULT



The scanner will flash red three times and you will hear three beeps. Scanner will no longer be shown as connected under “Bluetooth & other devices.”

7TH STEP: RELEASE SCANNER FROM WEARABLES

CAUTION
Do not rub over the pins of the wearable with the scanner!
➔ This may otherwise lead to bended pins.
More information about releasing the scanner correctly can be found under proglove.com/support.

1. Use your fingers to press between scanner and the fastening rail of the wearable.

2. Press scanner up slightly and push it forward.

CONFIGURE DEVICES AND FIRMWARE UPDATE

The configuration tool under https://insight.proglove.com/ > Device Visibility > Configurations can be used to individually set the ProGlove System to improve scanning processes and to update the firmware.

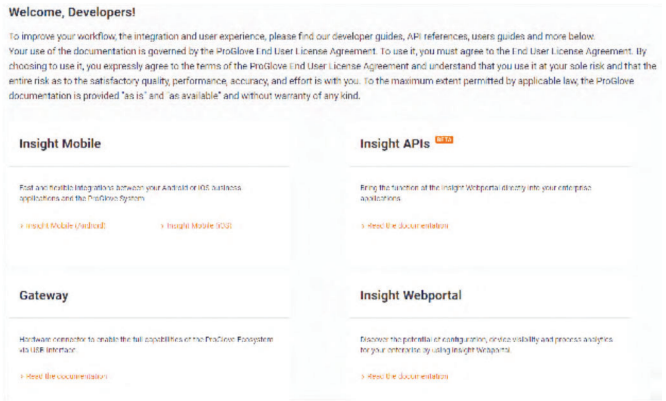
All information are available here:

→ **General information about configuration and firmware update:**
developers.proglove.com/insight/web/Configurations.html

→ **Configuration and firmware update via Insight Mobile (Android):**
developers.proglove.com/insight-mobile/android/latest
Configuration and firmware update via

→ **Configuration and firmware update via Insight Mobile (iOS):**
developers.proglove.com/insight-mobile/ios/latest

→ **Configuration and firmware update via Gateway:**
developers.proglove.com/gateway/latest



GENERAL SCANNER:

Description	LED	Connection symbol	Battery symbol	Audio signal	Vibration
Barcode data could be transferred	Short green flashing			Short positive beep	Short vibration
Barcode data could not be transferred	Red flashing 3 times briefly			Long negative beep	Long vibration
Battery charge under 10%			Slow red flashing		
Battery charge under 7%			Red flashing 3 times briefly		
Switch on scanner with battery charge under 5%			Red flashing 3 times briefly		
Battery charge under 95%			Pulsating red		
Battery charge over 95%			Constantly green		

SCANNER CONNECTION VIA ACCESS POINT:

Description	LED	Connection symbol	Battery symbol	Audio signal	Vibration
Scanner is connected to the Access Point	Blue flashing 2 times briefly	Blue flashing 2 times briefly		Short rising positive beep	Short vibration

SCANNER CONNECTION VIA BLE:

Description	LED	Connection symbol	Battery symbol	Audio signal	Vibration
Scanner searches for an end device	Blue pulsing	Blue pulsing		Continuously rising beep	
Scanner is connected to an end device	Blue flashing 2 times briefly	Blue flashing 2 times briefly		Short rising positive beep	Short vibration
Scanner cannot connect with the end device	Red flashing 3 times briefly			Negative beep briefly 3 times	Long vibration
Scanner is disconnected from an end device	Red flashing 3 times briefly			Negative beep briefly 3 times	Long vibration

MARK DISPLAY:

Description	LED	Audio signal	Vibration	Screen
MARK Display boots up	LED loop	Short rising positive beep	Short vibration	-
MARK Display is in Standby Mode				
MARK Display is ready to connect				
MARK Display is connecting	Blue pulsing	Continuously rising beep		
MARK Display is connected to an end device		Short rising positive beep	Short vibration	
MARK Display could not connect to an end device	Red flashing 3 times briefly	Negative beep briefly 3 times	Long vibration	

Description	LED	Audio signal	Vibration	Screen
MARK Display lost the connection to end device	Red flashing 3 times briefly	Negative beep briefly 3 times	Short vibrations 3 times briefly	-
MARK Display tries to reconnect to end device	Blue pulsing	Continuously rising beep		
MARK Display is reconnected to the end device	Blue flashing 2 times briefly	Short rising positive beep	Short vibration	-
MARK Display is disconnected from an end device	Red flashing 3 times briefly	Negative beep briefly 3 times	Short vibrations 3 times briefly	
Battery charge under 10 %	Red flashing	Info tone	Short vibrations 2 times briefly	-
Battery charge under 5 %	Red flashing	Info tone	Short vibrations 2 times briefly	-

Description	LED	Audio signal	Vibration	Screen
MARK Display is charging	Red pulsing			
MARK Display is fully charged	Green pulsing			
Barcode data could be transferred	Short green flashing	Short positive beep	Short vibration	-
Barcode data could not be transferred	Red flashing 3 times briefly	Long negative beep	Long vibration	-

STORAGE AND CLEANING

STORAGE

STORAGE LOCATION:
Store the Hardware as well as Wearables in a dry and dirt-free environment. In case of transport, ProGlove System must be transported shockproof in its original packaging.

TEMPERATURE:
Store the Hardware as well as Wearables in an environment between - 4°F (-20°C) and 140°F (+60°C).

CLEANING

CAUTION:
Do not attempt to charge damp/wet hardware. All components must be dry before charging.

WEARABLES:

CAUTION:
Protect Wearables from moisture!
This may otherwise lead to the Wearables not functioning properly.

→ Do not wash Wearables.

HARDWARE:

CAUTION:
Protect Hardware from moisture!
This may otherwise lead to ProGlove System not functioning properly.

CAUTION:
Do not clean Hardware with chemical agents!
Otherwise, the material can be damaged.

→ Use isopropyl Alcohol or cleaning agents approved for electronics and use it to wipe all surfaces of the hardware with a soft cloth.
→ Regularly clean the scanner glass with cotton swabs.

SOLUTION TO THE PROBLEM

SCANNER

PROBLEM	CAUSE	SOLUTION
Scanner is not responding.	Battery is not charged.	→ Charge Scanner in the Charging Station for at least 20 min.
	Wearable is defective.	→ Change wearable.
Scanner is not vibrating or does not beep after successful data transfer.	Feedback signals are disabled.	→ Check whether the feedback signals in the configuration tool are enabled under “Feedback Profiles.”
The battery symbol of Scanner flashes red.	The battery charge is low.	→ Charge Scanner in the Charging Station for at least 20 min.

PROBLEM	CAUSE	SOLUTION
The crosshairs light up, but no barcodes are scanned.	The barcode label cannot be read.	→ Create new barcode label.
	The barcode type cannot be read.	→ Check whether the barcode type in the configuration tool is enabled under “Symbology settings”.
	The barcode length cannot be read.	→ Check whether the barcode length in the configuration tool is enabled under “Symbology settings”.
	Scanner glass is dirty.	→ Clean the scanner glass with a cotton swab.
The crosshairs light up, but the barcodes are hard to scan.	The barcode label is difficult to read.	→ To enhance the scanning performance, make the following settings in the configuration tool (config.proglove.de) under “Symbology settings”. Fuzzy 1D processing: ON
	Scanner glass is dirty.	→ Clean the scanner glass with a cotton swab.
	Scanning distance is not optimally used.	→ Position scanner closer or further away from the barcode label and scan. For standard range: 3.9 - 31.5 in (10-80 cm) For mid range: 11.8 - 59 in (30-150 cm)

ACCESS POINT - DATA TRANSFER

PROBLEM	CAUSE	SOLUTION
Barcode data is not transferred.	Scanner is not connected to the Access Point.	→ Scan the pairing barcode on the Access Point.
	Scanner is out of range of the Access Point. (maximum range is < 98 ft. (30m))	→ Bring Scanner closer to Access Point.
	Access Point is defective.	Access Point must be replaced. → More detailed information can be found at proglove.com/support.
	Scanner is defective.	Scanner must be replaced. → More detailed information can be found at proglove.com/support.
Different barcode data is transferred.	The keyboard layout of the end device is set with a different language.	→ Adjust the keyboard layout of the configuration tool to the keyboard layout of the end device. In the configuration tool (config.proglove.de) under “Device settings - USB keyboard layout,” adjust the language.

BLE - DATA TRANSFER

PROBLEM	CAUSE	SOLUTION
Barcode data is not transferred.	Scanner is not connected to the end device.	1. Scan the pairing barcode. 2. Lights up blue twice briefly while scanner is connecting and after a successful connection.
Scanner lights up green after the data transfer, but no barcode data is shown on the end device.	Scanneris out of range of the end device. (Maximum range is < 33 ft. (10m))	→ Bring scanner closer to the end device and scan the pairing barcode.
Scanner flashes red 3 times, 3 negative beeps are heard and a long vibration is felt.	Scanner cannot connect with the end device.	1. Check whether the range between scanner and end device is < 33 ft. (10m) If not, get closer. 2. Disconnect the connection between the end device and scanner and reconnect “Step 6: Disconnect scanner” and “Step 4: Connect scanner” 3. Scan the pairing barcode again. 4. Scan barcode again.

GATEWAY - DATA TRANSFER

PROBLEM	CAUSE	SOLUTION
Barcode data is not transferred.	Scanner is not connected to the Gateway.	1. Scan the pairing barcode on the Gateway. 2. Lights up blue twice briefly while scanner is connecting and after a successful connection.
	Scanner is out of range of the Gateway. (Maximum range is 100 - 130 ft. (30 - 40m))	→ Bring scanner closer to the Gateway.
	Gateway is defective.	Gateway must be replaced. → More detailed information can be found at proglove.com/support.
	Scanner is defective.	Scanner must be replaced. → More detailed information can be found at proglove.com/support.

CHARGING STATION

PROBLEM	CAUSE	SOLUTION
Scanner does not charge in Charging Station.	Scanner is not correctly inserted in Charging Station.	→ Insert scanner in the Charging Station again.
	Charging Station is not connected to power source.	→ Connect Charging Station to power source.
	Scanner is defective.	Scanner must be replaced. → More detailed information can be found at proglove.com/support.
	Charging Station is defective.	The Charging Station must be replaced. → More detailed information can be found at proglove.com/support.

TIP 1
Problem could not be solved?
→ Insert scanner into the wearable. Press the trigger on the wearable for about 15 seconds and restart scanner.

TIP 2
Problem could not be solved?
→ Scan with scanner the Factory Default Barcodes:

SCANNER ACCESS POINT GATEWAY

Factory Default Barcode will reset all configurations!

DISPOSAL

ProGlove system corresponds to the directive 2012/19/EU of the EUROPEAN PARLIAMENT AND COUNCIL of 4 July 2012 regarding waste electrical and electronic equipment (WEEE). That is why ProGlovesystem cannot be disposed of through the household waste. If you have questions about a return or an environmentally-friendly disposal, please contact ProGlove support (contact data under chapter "Support and Service").

Carry out the following steps to decommission ProGlove system:
1. Release Scanner from Wearables
2. Disconnect the connection cable from the Access Point / Gateway
3. Disconnect the mains plug from the Charging Station S
4. Properly dispose of Hardware and Wearables as old electronic and electric devices

DIRECTIVES & CERTIFICATION

EUROPEAN DIRECTIVES:

2014/53/EU Radio Equipment Directive (RED)

2011/65/EU RESTRICTION OF HAZARDOUS SUBSTANCES (ROHS)

DECLARATION OF CONFORMITY:

Workaround GmbH (ProGlove) hereby declares that the devices are in compliance with all applicable Directives. For the full text of the CE Declaration of Conformity please contact the ProGlove Support (ProGlove Support contact data see p. 53).

FCC/IC CERTIFICATION COMPLIANCE:

ProGlove System
The ProGlove System, comprised of: MARK 3, MARK 2 MR, MARK 2 SR, MARK Basic, MARK Display, LEO, Charging Station S, Access Point, Gateway, wearables, peripherals and accessories, complies with the following FCC/IC product categories:

- FCC Part 15 Subpart C 247 (intentional radiators = RF transceiver)
- FCC Part 15 Subpart C 249 (intentional radiators = RF transceiver)
- FCC Part 15 Subpart B 107/109 (unintentional radiator)
- ISED Canada RSS-Gen Category I (radio apparatus)
- ISED Canada RSS-247
- ISED Canada RSS-102
- ISED Canada RSS-210

The ProGlove MARK is a portable device (distance between person's body and theantenna is 20 cm or less) and excluded from SAR (Specific Absorption Rate) requirements.

REGULATORY INFORMATION

This device is approved under Workaround GmbH (ProGlove). This guide applies to MARK, Hardware Connectivity, Accessories, Wearables. All ProGlove devices are designed to be compliant with the rules and regulations in the locations they are sold and will be labeled as required.

BRAZIL RADIO EQUIPMENT WARNING

Este equipamento não tem direito à proteção contra interferência prejudici-al e não pode causar interferência em sistemas devidamente autorizados.

MEXICO RADIO EQUIPMENT WARNING

La operación de este equipo está sujeta a las siguientes dos condiciones:

Es posible que este equipo o dispositivo no cause interferencia perjudicial y
Este equipo o dispositivo debe aceptar cualquier interferencia, incluyendo la que pueda causar su operación no deseada.

CAUTION:

Any changes or modifications made to this equipment not expressly approved by Workaround GmbH may void the authorization to operate this equipment.

SINGAPORE REGULATION INFORMATION

Complies with
IMDA Standards
DA100846

DISCLAIMER

ProGlove has taken reasonable measures to provide information in this manual that is complete and accurate, however, ProGlove reserves the right to change any specification or the user manual at any time without prior notice. ProGlove and the ProGlove logo are registered trademarks of Workaround GmbH in many countries, including the U.S. and the E.U. MARK and LEO is a trademark of ProGlove GmbH and/or its affiliates, registered in many countries including the U.S. and the E.U. All other brand and product names may be trademarks of their respective owners.

FCC/IC Certification Compliance
Under the regulations of the FCC and the IC the user has to be aware of the following when using the ProGlove MARK:
1. This equipment complies with FCC/IC radiation exposure limits set forth for an uncontrolled environment and meets the FCC radio frequency (RF) Exposure Guidelines and RSS-102 of the IC radio frequency (RF) Exposure rules. This equipment has very low levels of RF energy that are deemed to comply without testing of specific absorption rate (SAR).

Cet équipement est conforme aux limites d'exposition aux rayonnements énoncées pour un environnement non contrôlé et respecte les règles d'exposition aux fréquences
radioélectriques (RF) des lignes directrices de la FCC et les règles d'exposition aux fréquences radioélectriques (RF) CNR-102 de l'IC. Cet équipement émet une énergie RF très faible qui est considérée comme conforme sans évaluation du débit d'absorption spécifique (DAS).

2. This ProGlove System has been tested and meets the FCC/IC RF exposure rules when used with ProGlove's accessories supplied or designated for this product. Use of other accessories may not ensure compliance with FCC/IC RF exposure rules.
Le système ProGlove a été testé et est conforme aux règles d'exposition aux fréquences radioélectriques (RF) de l'IC ainsi que de la FCC lorsqu'il est utilisé avec les accessoires ProGlove fournis ou conçus pour ce produit. L'usage d'autres accessoires ne garantit pas nécessairement la conformité aux règles d'exposition aux RF de l'IC ou de la FCC.

FCC Specific Certification Compliance
Under the regulations of the FCC the user has to be aware of the following when using the ProGlove MARK:
1. FCC CAUTION Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

2. This transmitter must not be co-located or operated in conjunction with any other antenna or transmitter.
3. Operation is subject to the following two conditions:
(1) this device may not cause harmful interference, and
(2) this device must accept any interference received, including interference that may cause undesired operation.

4. Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

IC Specific Certification Compliance
Under the regulations of the IC the user has to be aware of the following when using the ProGlove MARK:
1. This device complies with Industry Canada's licence-exempt RSSs. Operation is subject to the following two conditions:
(1) This device may not cause interference; and
(2) This device must accept any interference, including interference that may cause undesired operation of the device.
Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes:
1) l'appareil ne doit pas produire de brouillage;
2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

LASER CLASS 2 (mid range)**:**
Complies with 21CFR1040.10 and 1040.11 except for deviations pursuant to Laser Notice No. 50, dated June 24, 2007.
Laser safety according to EN60825-1:2014 and IEC 60825-1 (Ed. 3.0).

The laser warning label is located on the bottom of scanner (mid range).

SUPPORT

TECHNICAL SUPPORT CONTACT DATA

If you have questions about integrating or using the ProGlove devices, our customer support department will be happy to help you. They will process your request as soon as possible. You can reach them at:

SUPPORT WEBSITE:
proglove.com/support

E-MAIL ADDRESS:
support@proglove.de
support@proglove.com

TELEPHONE NUMBER:

+49 (89) 12085158
+1 (217) 721-0740 (USA)

Monday – Friday, 9:00 am to 5:00 pm

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