

## DR59X0-1/2 QUICK START GUIDE

### Regulatory



Radio Equipment Directive (EU) No 2014/53 of the European Parliament and of the Council of 16 April 2014 on harmonisation of the laws of the Member States relating to the making available on the market of radio equipment (RED) and that any applicable Essential Test Suites measurement have been performed.

### Important

Notification of intended purpose of product use:

This product is a FM two way radio transceiver. It utilizes operating frequencies not harmonized in intended country of use.

A license must be obtained before using the product in intended country of use.

### Restrictions are valid for the following countries:

France (FR), United Kingdom (UK), Italy(IT), Ireland (IE), Portugal (PT), Luxembourg (LU) ,  
Bulgaria(BG) , Latvia (LV), Czech Republic (CZ) , Denmark(DK), Estonia(Ee), Lithuania(LT),  
Hungary(HU) , Netherlands(NL) , Austria(AT), Poland(PL), Romania (RO) , Slovakia(SK) , Finland(FI) ,  
Sweden(SE)

#### What's Included:



DR5920-1  
DR5920-2



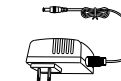
DR5910-1  
DR5910-2



DR5900-1  
DR5900-2



Desktop Rapid Charger



Power Supply



Belt Clip

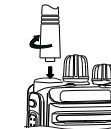


Antenna



Li-Poly Battery  
(3250mAh)

#### Attaching the Antenna:



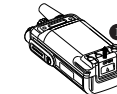
1. Turn the antenna clockwise to attach it.  
**Note:** To remove the antenna, rotate it counter-clockwise.

#### Powering On:

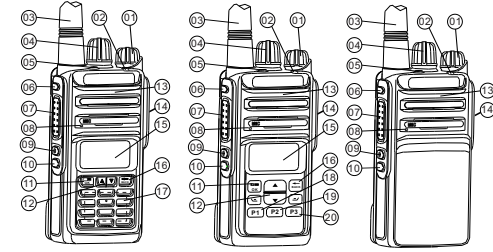


1. Rotate the On/Off/Volume Control Knob clockwise until you hear a click. A brief tone sounds, indicating that the power up test is successful.
2. To turn off the radio, rotate the knob counterclockwise until you hear a click.

#### Attaching the Battery:



1. While laying flat, put the battery into the radio as ❶ shown, horizontally push to the top along the aluminum slot, sliding it up until the battery latch clicks.
2. Removing battery, hold down release button and slide battery down.



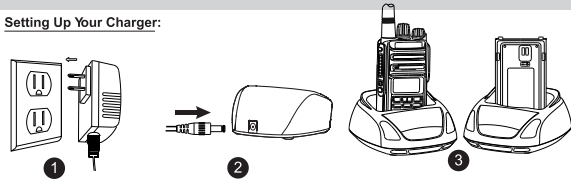
DR5920-1  
DR5920-2

DR5910-1  
DR5910-2

DR5900-1  
DR5900-2

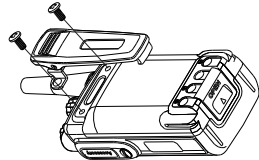
- |   |  |
|---|--|
| ❶ On/Off/Volume Control Knob                          | ❶❶ OK/Menu Button                      |
| ❷ LED Indicator                                       | ❷❷ 2-Way Navigation Button             |
| ❸ Antenna   | ❸❸ Speaker                             |
| ❹ Channel Selector Knob                               | ❹❹ Universal Connector for Accessories |
| ❺ Emergency Button (Programmable)                     | ❺❺ Display                             |
| ❻ Side Button 1 (Programmable)<br>SP: _____ LP: _____ | ❻❻ Retun/Home Button                   |
| ❼ Push-to-Talk (PTT) Button                           | ❼❷ Keypad                              |
| ❽ Microphone  | ❽❸ Front Button P1 SP: _____ LP: _____ |
| ❾ Side Button 2 (Programmable)<br>SP: _____ LP: _____ | ❾❹ Front Button P2 SP: _____ LP: _____ |
| ❿ Side Button 2 (Programmable)<br>SP: _____ LP: _____ | ❿❺ Front Button P3 SP: _____ LP: _____ |

#### Setting Up Your Charger:



1. Plug the adapter's AC connector into the AC outlet socket. (see ❶)
2. Plug the adapter's DC connector into the DC socket on the back of the charger. (see ❷)
3. Place the radio with the battery attached, or the battery alone, in the charger. (see ❸)
4. Make sure the battery contact is touching the charging terminals. The charging process begins when the red LED light illuminates.
5. The green LED light will illuminate approximately two hours later, indicating the battery is fully charged.

#### Attaching/Removing Belt Clip:



1. Rotate the screws counter-clockwise to remove them.
2. Align the screw holes on the belt clip with those on the radio's body, then insert and tighten the screws clockwise.

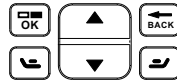
**Note:** To remove the belt clip, loosen the screws.

#### ATTENTION:

**Do not use power tools, only screwdriver**

#### Accessing the Programmed Functions

You can access various radio functions one of the following ways: A short or long press of the relevant programmable buttons. OR -



DR5910-1/2

- To access the main menu, press the [O] button. To toggle through the menu options, press [<] or [>].
- To select a function or access a sub-menu, press the [O] button.
- To go back one menu level, or return to the previous screen, press the [C] button.

**Note:** Your radio will exit the menu after a period of inactivity and returns to Main Menu.

#### Basic Operations

##### Turning on/off radio

Rotate the Radio On-Off/Volume knob clockwise / counter-clockwise until a click is heard to turn on/ off the radio.

##### Adjust the volume

After turning the radio on, rotate the Radio On-Off/Volume knob clockwise to increase the volume or counter-clockwise to decrease the volume.

##### Selecting a channel

Locate the channel number on the Channel Knob rotate it to select the desired channel. While rotating the knob, there is an automated channel number Voice prompt.

##### Mode Switch

Through Channel Selector knob. Each channel of the radio can be set as analog channel or digital channel by the dealer. The user can set them up through CPS software.

##### Call

##### Group Call

Talk group can be set by the dealer in advance and the operation methods are the same under DMO mode and TMO mode.

##### Transmitting a group call

1. Select the desired talk group through Channel Knob.
2. Hold down [PTT] key to transmit a group call.

##### Receiving and replying a group call

You can receive the group call without any key operation. If reply is needed, please hold down [PTT] key after the speech of the other side and then speak to microphone.

##### Care and Cleaning

To guarantee optimal performance as well as a long service life of your radio, please follow the tips below.

##### Radio Care

Keep the radio far away from substances that can corrode the electronic circuit.  
Do not hold the radio by its antenna or headset cable directly to prevent damage to its normal use.  
Attach the accessory jack cover when the radio is not in use.



DR5920-1/2

#### Radio Cleaning

Clean up the dust and fine particles on the radio surface and charging piece with a clean and dry lint-free cloth or a brush regularly.  
Use neutral cleanser and a non-woven fabric to clean the keys, control knobs and front case after long-time use. Do not use chemical preparations such as stain removers, alcohol, sprays or oil preparations, so as to avoid surface case damage. Make sure that the radio is completely dry before use.

**NOTE:** Turn off the radio and remove the battery before cleaning.

#### LED indicator and charging status in charger

LED Indication	Charging Status
LED Flashes Red Slowly	Standby (no load)
LED Glows Red	Charging
LED Glows Orange	85% Charged
LED Glows Green	Fully Charged
LED Flashes Red Rapidly	Error

#### Radio LED indicator

LED Indication	Radio Status
LED Solid Red	Transmitting the call
LED Solid Green	Receiving call or carrier is busy channel
LED Flashes Green Quickly	Receiving privacy-enabled call or data
LED Flashes Red	Radio is scanning, Radio is transmitting at low battery condition, receiving an emergency transmission or has failed the self-test upon powering up.
LED Flashes Green	Radio Powering Up

#### Battery indicator

Battery Usage Status	LED Indication (DR5900)	Display Indication (DR5910/DR5920)
Power ≥ 80%	High Battery	
Power ≥ 40%	Medium Battery	
Power ≤ 40%	Low Battery	
Power ≤ 10%	Very Low Battery	

#### LCD Icon / STATUS INDICATION IN RADRO DR5810/DR5810S/DR5610/DR5610S

Icon Name	Icon	Radio Status
Battery Indicator		The number of bars (0 z 4) shown indicates the charge remaining in the battery. Icon blinks when the battery is low.
Received Signal Strength Indicator (RSSI)		The number of bars displayed represents the radio signal strength and is only displayed while the radio is in receiving mode.
Message Icons		New message/unread message
		Inbox is full
		Sent successfully
		Send failed
		Send in-progress
Call Icons		Private Call
		Group Call/All Call
Power Icons		Radio is set at low power (L) or high power (H)
Scan Icons		Scan feature is enabled
		Priority scan detects activity on channel/group designated as Priority 1 (if – is blinking) or Priority 2 (if – is steady)
Monitor		Selected channel is being monitored
Tones Disable		Tones are turned off
Emergency Icon		Radio is in Emergency mode
Privacy Icon		The Privacy feature is enabled
Talkaround Icon		The radio is currently configured for direct radio to radio communication.

### **FCC Warning :**

Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This device complies with part 15 of the FCC Rules. 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 .

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.

### **ISED warning:**

NOTICE: This radio is intended for use in occupational/controlled conditions where users have full knowledge of their exposure and can exercise control over their exposure to meet the occupational limits in FCC/ISED and International standards. This radio device is not authorized for general population consumer use.

### **RF Exposure Requirements:**

. To control your exposure and ensure compliance with the occupational/controlled environmental exposure limits, always adhere to the following procedures.

### **Guidelines:**

Do not remove the RF Exposure Label from the device.

User awareness instructions should accompany device when transferred to other users.

Do not use this device if the operational requirements described herein are not met.

### **Operating Instructions:**

Transmit no more than the rated duty factor of 50% of the time. To transmit (talk), push the Push-To-Talk (PTT) key. To receive calls, release the PTT key. Transmitting 50% of the time, or less, is important because the radio generates measurable RF energy only when transmitting (in terms of measuring for standards compliance).

Keep the radio unit at least 2.5 cm away from the face. Keeping the radio at the proper distance is important as RF exposure decreases with distance from the antenna. The antenna should be kept away from the face and eyes.

When worn on the body, always place the radio in a COVALUE approved holder, holster, case, or body harness or by use of the correct clip for this product. Use of non-approved accessories may result in exposure levels which exceed the FCC/ISED's occupational/controlled environmental RF exposure limits.

Use of non-approved antennas, batteries, and accessories causes the radio to exceed the FCC/ISED RF exposure guidelines.

Respectez toujours les procédures suivantes pour contrôler votre exposition et vous assurer de la conformité avec les limites d'exposition professionnelle en milieu de travail / environnementales contrôlées.

Des lignes directrices: Ne retirez pas l'étiquette d'exposition RF de l'appareil. Les instructions de sensibilisation des utilisateurs doivent accompagner l'appareil lors de son transfert à d'autres utilisateurs.

N'utilisez pas cet appareil si les exigences opérationnelles décrites ici ne sont pas satisfaites. Mode d'emploi: Ne transmettez pas plus que le facteur de droit nominal de 50% du temps. Pour transmettre (parler), appuyez sur la touche Push-To-Talk (PTT). Pour recevoir des appels, relâchez la touche PTT. La transmission de 50% du temps, ou moins, est importante car la radio génère une énergie RF mesurable uniquement lors de la transmission (en termes de mesure pour la conformité aux normes).

Maintenez l'unité radio à au moins 2,5 cm du visage. Le maintien de la radio à la distance appropriée est important car l'exposition aux radiofréquences diminue avec la distance de l'antenne. L'antenne doit être éloignée du visage et des yeux.

Lorsqu'il est porté sur le corps, placez toujours la radio dans un support, un étui, un étui ou un harnais de sécurité approuvé par COVALUE ou utilisez le clip approprié pour ce produit.

L'utilisation d'accessoires non approuvés peut engendrer des niveaux d'exposition supérieurs aux limites d'exposition aux RF professionnelles / environnementales contrôlées de la FCC/ISED.

L'utilisation d'antennes, de piles et d'accessoires non approuvés a pour conséquence que la radio dépasse les consignes d'exposition RF de la FCC/ISED.

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This device complies with Innovation, Science and Economic Development Canada licence-exempt RSS standard (s). 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.

Tout changement ou modification non expressément approuvé par la partie responsable de la conformité pourrait annuler l'autorité de l'utilisateur à faire fonctionner l'équipement.

Cet appareil est conforme aux normes RSS exemptes de licence d'Innovation, Sciences et Développement économique Canada. Le fonctionnement est soumis aux deux conditions suivantes :

(1) cet appareil ne doit pas causer d'interférences, et

(2) cet appareil doit accepter toute interférence, y compris les interférences pouvant entraîner un fonctionnement indésirable de l'appareil.