



MS2210R

Veterinary Scale

USER MANUAL



Please keep the instruction manual at hand all the time for future reference.

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PREFACE

Thank you for choosing CHARDER MEDICAL product. All features of this product were designed to state of the art and are optimized for simple and straightforward use. If you have any queries or experience any problems not addressed in the operating instructions, please contact your CHARDER MEDICAL service partner, or visit us on the Internet at www.chardermedical.com

GENERAL INFORMATION

We strongly recommend you use the scales on flat and hard surface. Any soft surface, like carpet will cause inaccuracy.

SAFETY INSTRUCTION



Before putting the device into use, please read with care the information given in the Operating Instructions. They contain important instructions for installation, proper use and maintenance of the device.

The manufacturer shall not be liable for damages arising out of failure to heed the following instructions:

- ♦ When using electrical components under increased safety requirements, always comply with the appropriate regulations.
- ♦ Improper installation will render the warranty null and void.
- ♦ Ensure the voltage marked on the power supply unit matches your mains power supply.
- ♦ This device is designed for use indoors.
- ♦ Observe the permissible ambient temperatures for use
- ♦ The device meets the requirements for electromagnetic compatibility. Do not exceed the maximum values specified in the applicable standards.

If you have any problem, contact your local CHARDER MEDICAL service partner.

ENVIROMENTAL

- ♦ All batteries contain toxic compounds; disposal of batteries should be delegated to a competent organization, complying with the deposit of Poisonous Waste Regulation 1972.
- ♦ Please do not incinerate batteries.
- ♦ The optimum operating temperature for the scale is 5°C to +35°C; although it will operate at higher and lower temperatures the scales battery life will be adversely effected.

CLEANING

- ♦ We would recommend using alcohol based wipes or similar when cleaning the scales.
- ♦ Please do not use large amounts of water when cleaning the scales as this will cause damage to the scales electronics, you should also refrain from using corrosive liquids or high pressure washers.
- ♦ Always disconnect the scales from the mains power supply before cleaning.

MAINTENANCE

- ♦ The scale does not require any routine maintenance. However, we recommend checking the scale's accuracy at regular intervals. The regularity of these checks is dependent on the level of use and the state of the scale. If any inaccuracies occur, please contact your local dealer or CHARDER MEDICAL service partner.

WEIGHING OPERATION

Before reading detailed instructions on how to use all the weighing functions that are built into your scale, please read the following important guidelines:

- ♦ Always be sure that the display shows `Zero` before use, if it does not then please press the ZERO key.
- ♦ The device is designed to detect when a stable weight is achieved, the indicator will `bleep` twice to indicate a stable weight value, your reading should be taken at this point.

WARRANTY-LIABILITY

- ♦ If a fault or defect is present on receipt of the unit which is within CHARDER MEDICAL's scope of responsibility, CHARDER shall have the right to either repair the fault or supply a replacement unit. Replaced parts shall be the property of CHARDER. Should the fault repairs or replacement delivery not be successful, the statutory provisions shall be valid. The period of warranty shall be two years, beginning on the date of purchase. Please retain your receipt as proof of purchase. Should your scale require servicing, please contact your dealer or CHARDER MEDICAL Customer Service.
- ♦ No responsibility shall be accepted for damage caused through any of the following reasons: Unsuitable or improper storage or use, incorrect installation or commissioning by the owner or third parties, natural wear, changes or modifications, incorrect or negligent handling, overuse, chemical, electrochemical or electrical interference or humidity, unless this is attributable to negligence on the part of CHARDER MEDICAL.
- ♦ If operating, climatic or any other influences lead to a major change in conditions or material quality, the treaty for perfect unit functioning shall be rendered null and void. If CHARDER provides an individual warranty, this means that the unit supplied will be free of faults for the length of the warranty period.

DISPOSING OF THE SCALE

This product is not to be treated as regular household waste, but should be handed into an electrical/electronic equipment recycling centre.

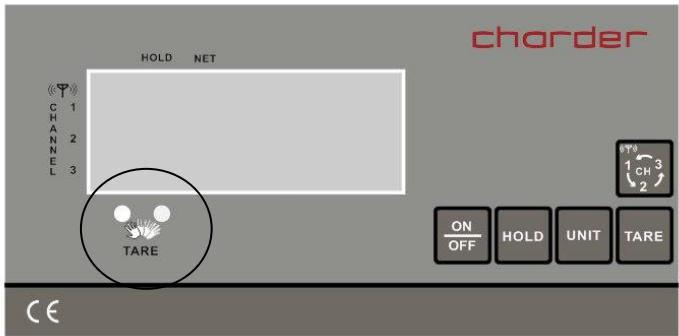
You can obtain further details from your local council, your municipal waste disposal company or the firm which you purchased the product.

SPECIFICATION

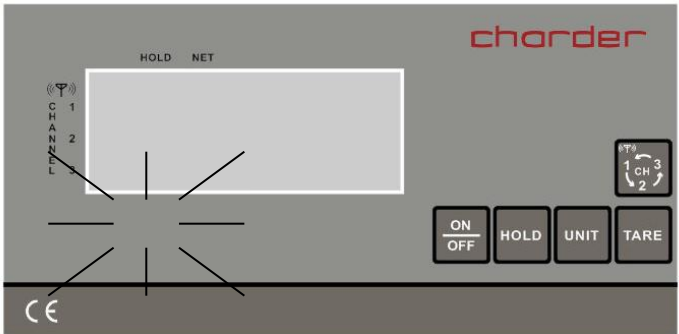
MODEL	MS2210R		
CAPACITY	300kg x100g ; 660lb x 0.2lb	150kg x 50g 330lb x 0.1lb	150kg x 50g without waving tare function
ACCURACY	$\pm 200\text{g}$; $\pm 0.4\text{lb}$		
MEASURING UNIT	kg & lb		
LCD DISPLAY	1.0" LCD digital display		
DIMENSION	900mm(L) x 550mm(W) x 60mm(H)		
KEY FUNCTIONS	ON/OFF , HOLD , UNIT , TARE ,  channel		
POWER SUPPLY	Display: 1.5V AA battery & 9-12V(200-500mA)		
	Platform: 1.5V AA battery & 9-12V(200-500mA)		
OPERATING ENVIRONMENT	$+5^{\circ}\text{C} \sim +35^{\circ}\text{C}$, 15% ~ 85% RH, 700 ~ 1060 hPA		

KEY FUNCTIONS

Face plate with waving tare function



Face plate without waving tare function



Key	Description
ON/OFF	Press to switch scales ON &OFF
HOLD	Press to lock the weight of measured subject.
UNIT	Press to switch between kg or lb measuring unit.
TARE	Press to tare the weight of subject on platform.
	Wireless channel switch between 1 to 3

*Tare the weight of subject previously so that the operator can get the net weight only.

INSTRUCTION OF USE

1. Press  button to switch on the scale.
2. First, the LCD displays program version and zero symbol →○← has shown at bottom left. Then LCD displays “0.0kg”
3. Loading the animal.
4. LCD displays the weight of animal
5. Press  button to lock the weight of animal while it's moving.
6. Weight will be locked and display on LCD while weight is stable.
7. Press  button again to disable the hold function.

Over weight:

When the weight exceeds the limit of the scale then “Err” code will appear on LCD. It is recommended to unload the weight to normal measuring range or will damage the scale.

TARE:

 button is to deduct the weight of subject which is on the platform.

For example:

- ♦ We usually place a rubber mat on platform before we measure the animal. A rubber mat weights 1.5kg. When loading the animal the scale displays 1.5kg more. Because of a rubber mat.
- ♦ Press  button after placing a rubber mat on the platform to tare the weight before loading animal. You will get “0.0kg”. Then loading the animal to acquire net weight.

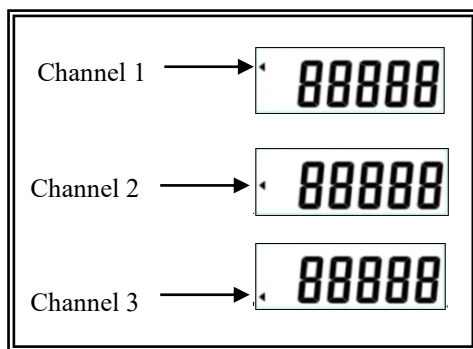
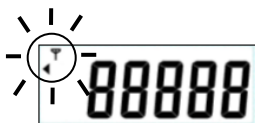
INSTRUCTION OF CONNECTING WIRELESS SCALE

1. Charder wireless scale MS2210R has a wireless display which has three wireless channels can serve total three wireless platforms at one time.

2. Switch channel between 1, 2 or 3 channel at bottom of platform before connecting to display.

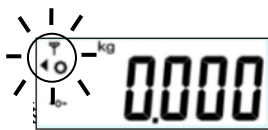
3. Press  button to match platform channel. The black arrow changes from channel 1, 2 and 3.

4. A wireless symbol  appears at upper left corner when connecting to wireless platform.



5. A stable symbol appears and system back to zero after connection completed.

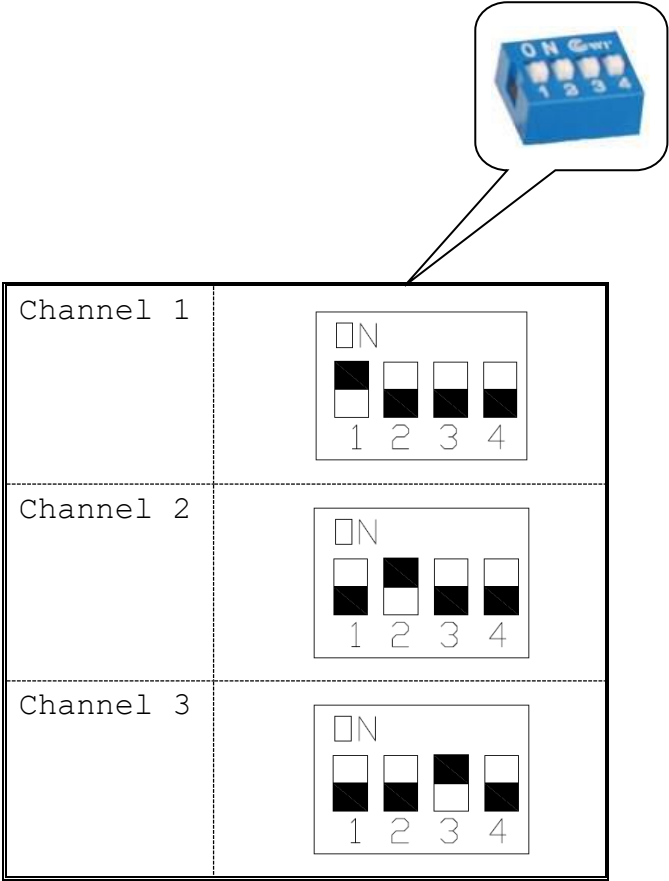
6. Start to weigh after system zero.



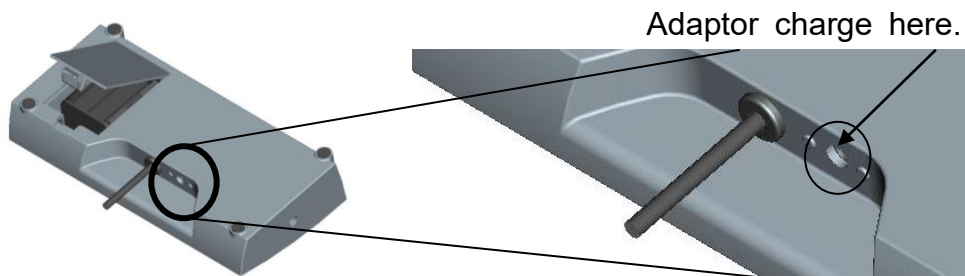
SWITCHING BETWEEN WIRELESS CHANNEL

To switch wireless channel at wireless platform, please find the dip switch at the bottom of the scale. To select any of three channels please follow drawing below.

***Pin 4 is not in use.



INSTRUCTION OF POWER SUPPLY BY ADAPTOR



INSTALLING BATTERY



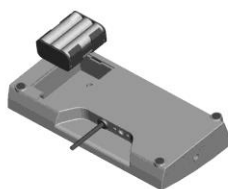
1.Remove battery cover.



2.Take battery housing out.



3.Installing six 1.5V AA batteries.



4.Make sure battery was installed correctly.



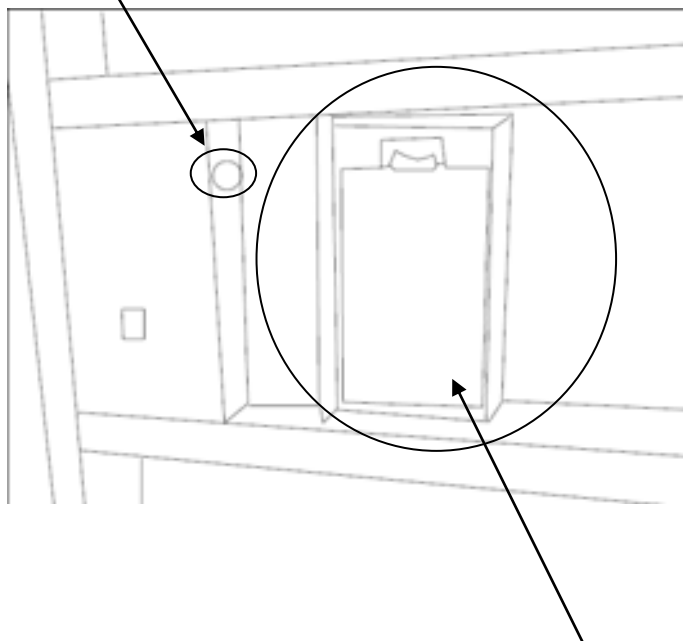
5.Put battery housing in the battery compartment.



6.Installing battery cover.

POWER SUPPLY ON DECK

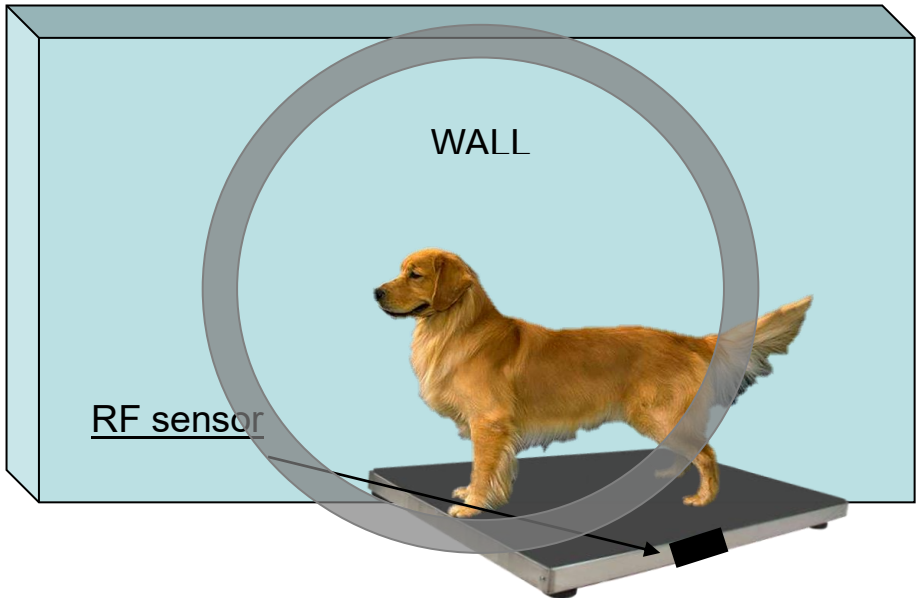
Locate adaptor plug under platform



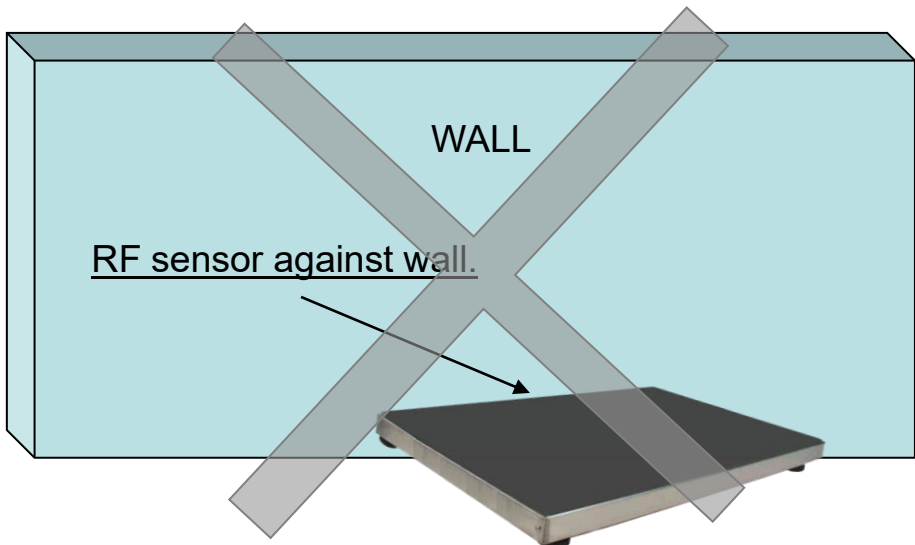
Install 4 AA 1.5V batteries at bottom of deck.

MS2210R ENVIRONMENT SET UP

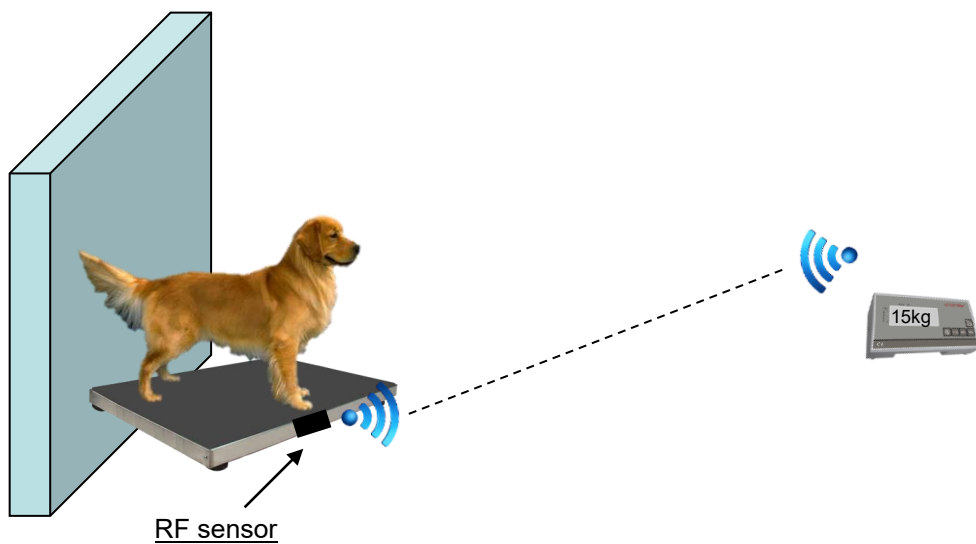
Important Note before use: Let RF sensor outward from wall.



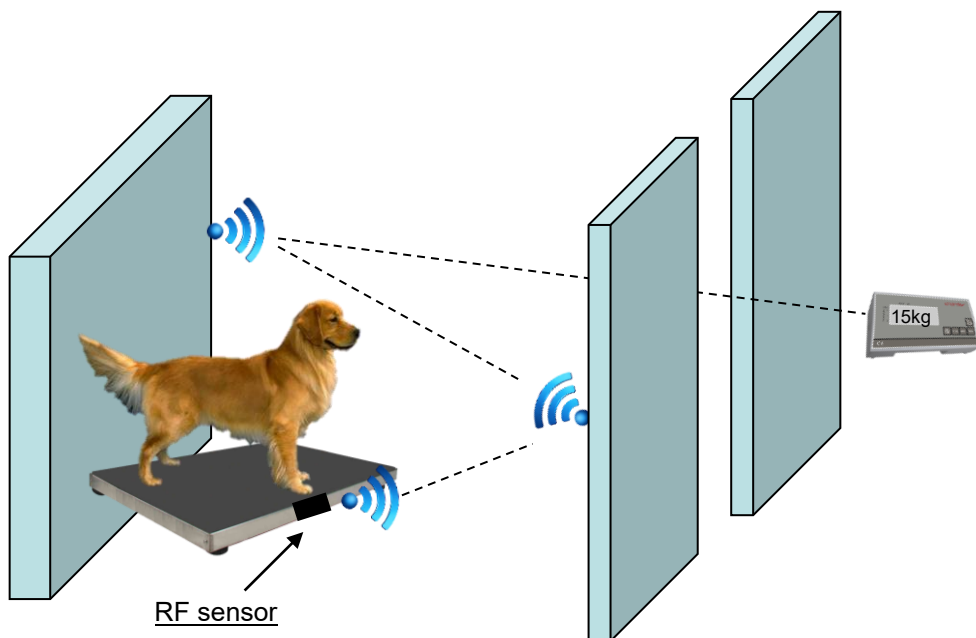
WRONG SETUP



- Direct signal transmission is recommended.



- Indirect signal transmission may have signal latency.



ERROR MESSAGE

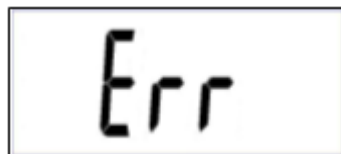
LOW BATTERY

If it is running out of battery, the display shows . Please use AC adaptor as power supply for operation.



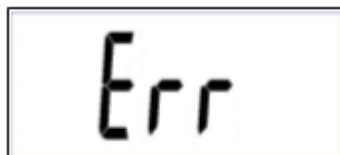
OVER LOAD

If the total load exceeds the maximum capacity of scale, the display will show the “Err” message. The weight must be removed from the platform right away.



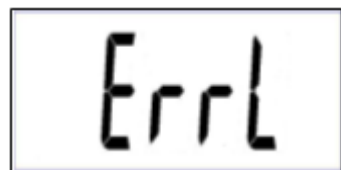
OVER ZERO

If zero count is high than the setting range, the display will show “Err” message. The scale will shut off if the status lasts 30 seconds.



UNDER ZERO

If zero count is below the setting, the display will show “ErrL” message. The scale will shut off if the status lasts 30 seconds.





Manufacturer's Declaration of Conformity

This product has been manufactured in accordance with the harmonized EU standards, following the provisions of the below stated directives:

Electromagnetic Compatibility Directive 2014/30/EU

Low Voltage Directive 2014/35/EU

RoHS Directive 2011/65/EU and Delegated Directive (EU) 2015/863

Manufactured by:



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