MATCHMASTER POWDER SCALE/DISPENSER (#98941)
QUICK START GUIDE

Congratulations on the purchase of your new RCBS MatchMaster Powder Dispenser!

CAUTION: **Read the Full Instruction Manual Before Using Your MatchMaster Powder Dispenser**
This short guide is only intended to help get you started setting up and using the product. It does not cover all features, specs or other aspects of the product, and does not include important safety information and warnings found in the full instruction manual.

1. **Deactivate Transportation Mechanism** -

Photo 1

Photo 2

CAUTION: The transportation protection mechanism (located at the side of the unit) **must be deactivated before using the MatchMaster** to prevent potential damage. To deactivate it:

Connect MatchMaster to power, switch it on and press [**ZERO**] key while counting down. Unstable numbers will show on the display. Turn the M4x8 transportation protection screw clockwise *(Photo 1)* until numbers on the display stabilize. If the last two numbers are still moving slightly the scale is still stable. When finished, the screw will be recessed 1~2mm from the surface *(Photo 2)*. Do not exceed a torque of 8 in-lbs (10 kg-cm) as this may damage the mechanism.

2. **Level** - Adjust feet to ensure the MatchMaster is level.
3. **Warm Up** - With unit powered on, allow to warm up for 15-20 minutes prior to calibration and use.
4. **Check Powder Drain** - Ensure powder drain is closed. If it is not closed, the display will flash "Drain".
5. **Calibration** - After 15-20 min warm up, calibrate scale prior to use. Refer to full manual *(pg. 7)* for calibration steps.
6. **Select Powder** - The MatchMaster will not dispense until a powder speed setting is selected. Select a dispense speed based on your powder type (1-4) and press the "Powder" key to select the appropriate powder speed. See "POWDER" on opposite side of this page for more detailed information or page 6 of the full manual.
7. **Powder** - Add Powder to hopper.
8. **Select Mode** - Two Modes are available, Standard (+/-0.1gn Accuracy) or Match (+/-0.04gn Accuracy). Depress mode button and use keys [**2**] or [**8**] to toggle to "MAtCh" press [**GO**] key to enter in submenu, use [**4**] or [**6**] keys to select "on" or "oFF". If "oFF" is selected MatchMaster will be in Standard mode. If "on", unit will be in Match Mode.

   Note: The scale is extremely sensitive to wind, vibration, and even static while dispensing in Match Mode. See full manual for more detailed information.

9. **Auto/Manual Dispense** - The unit is in "Auto" dispense mode from factory. Powder charges will automatically dispense from the unit once an empty scale pan is placed onto the unit and the scale is stable. If leaving the unit in default "Auto" dispense mode, follow Step 10 (Dispense) below. *To change to Manual dispensing mode if desired*:
   - Press [**MODE**] key and "Auto" will display. Press [**GO**] to enter setting. Use [**4**] or [**6**] to choose "oFF" and press [**GO**] to set as manual dispense mode and display shows "Manual".
10. **Dispense** - Place scale pan on platen, depress zero button and use number keys to enter desired charge weight. Depress the [**GO**] key and begin dispensing. Refer to the full manual for additional details.

Happy Reloading!!

MatchMaster owners ! ***Download the free* RCBS App *for your mobile device from the App Store (Apple® iPhone/iPad) or Google Play (Android™). This provides wireless remote control of 4 functions: Dispense Powder, Calibrate, Configurations, and Load Log. See the full manual for more details.***

RCBS
605 Oro Dam Blvd East
Oroville, California, 95965
1-800-533-5000 (US or Canada)
E-mail: rcbs.tech@vistaoutdoor.com Website: www.rcbs.com

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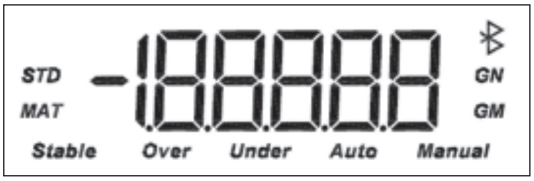
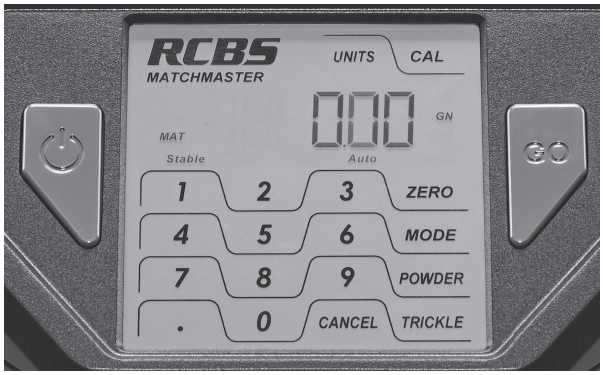
SCALE DISPLAY / FUNCTION KEYS / MENU

SCALE DISPLAY INDICATORS *(refer to display image, upper right)*



STD: Standard mode
MAT: Match mode
GN: weight in Grains
GM: weight in Grams
Stable: indicates the weight is Stable
Over: indicates the powder weight in the pan is higher than the set value, display flashes
Under: indicates the powder weight in the pan is lower than the set value
Auto: indicates in Automatic Dispense Mode
Manual: indicates in Manual Dispense Mode
: Bluetooth connection indicator



FUNCTION KEY DESCRIPTION *(refer to control panel photo, lower right)*

[⏻] key powers the scale on and off. When you turn the scale on the display will first show 99999 and will go through a quick count down and display to 0.0 GN (grain mode). "Stable" indicates when ready to use. When the scale is not in use the scale should be turned off and unplugged.

GO: Press [**GO**] key to dispense the powder once you have entered a given charge. Or press key to stop during dispensing. Pressing [**GO**] again will resume dispensing.

ZERO: Key is used to re-zero the scale. For example, to weigh powder in a powder pan, you would first place an empty pan on the scale platen and press [**ZERO**] key to re-zero the scale. This will automatically subtract the weight of the pan from the scale.

POWDER: There are four default powder dispense speed settings (1-4), refer to table in full manual, **Appendix 1** ***(pg. 16)***. These will work in either Standard or Match Mode. Switching from Standard to Match or Match to Standard will automatically switch to the correct default set of parameters.

To set dispense speed, press the appropriate number key, followed by the [POWDER] key. Typically Large to Small Extruded powders would be run at the slower dispense speeds while Ball and Flake type powders would be run at the faster dispense speeds. Keep in mind there are many different powder types with different kernel weights and shapes which attribute to differing flow rates. This prevents some powder types from being run at the faster dispense settings. For example, if you try to run a Large Extruded powder at a Powder Dispense Speed of 4, you will experience an overcharge condition. On the other end of the spectrum, if you run a Ball type powder at a Powder Dispense Speed of 1, the dispense speed will be extremely long. The following speeds are available :

1. Powder Dispense Speed 1 (Slowest Dispense Rate)
2. Powder Dispense Speed 2
3. Powder Dispense Speed 3
4. Powder Dispense Speed 4 (Fastest Dispense Rate)

Example: To select a powder dispense speed of 2, press [**2**] key, followed by [**POWDER**] key.

TRICKLE : Hold it to manually to dispense the powder.

CANCEL: Clear the data or stop the operation.

CAL: Key is used to calibrate the scale. You should calibrate your scale each time you begin a new reloading session. See the calibration section (full manual) for more details.

UNITS: Key switches scale from GN (grains) to GMS (grams). The default is GN.

MODE: Key is used to view/enter menu settings for dispense mode, match/standard mode, Bluetooth, powder type and sound (buzzer). To access and change menu settings, the following keys are used :

1. Depress [**MODE**] key
2. Use [**2**] or [**8**] key to scroll menu items
3. Depress [**GO**] key to select a menu item
4. Use [**4**] or [**6**] key to scroll setting values
5. Depress [**GO**] key to select the desired value

The table on the right lists the menu items along with their available setting values with descriptions. *Asterisks denote default setting values (Auto dispense defaults to "on", etc.)*

Menu (use keys [2] or [8])	**Setting value (use keys [4] or [6]) *(*=default)***	**Description**
Auto	on*/oFF	Auto dispense
MAtCh	on/oFF*	Match mode
bLE	see **Bluetooth Operation** (*full manual, pg. 12)* for more details	
	nAME	Composed of 5 digits (0~9)
	AB	Set bluetooth parameters AB (***default AB = 00)***
PoWdE	see full manual pg.14, **User Defined Powder Configuration** for more details	
	uSr	Configure user defined powder configuration 06~20
	A	Powder Size 1~4
	B	Standard/match mode: 0=match, 1=standard
	C	Weight unit: 0=gm, 1=gn
	D	Minimum operation value for large tube: 1~40
	E	Expected large tube stop point: 1~99
	F	Expected small tube stop point: 0~99
	G	G_1G_2 Angle and response time for short trickle: 0,0~9,9
	H	Expected start point for short trickle: 0~99
	I	I_1I_2 Angle and response time for short trickle: 0,0~9,9
Sound	on*/oFF	Buzzer sound