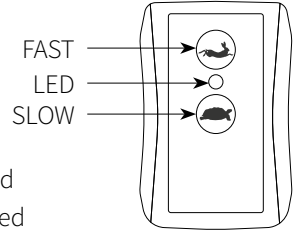


## BUDDY SMART REEL®

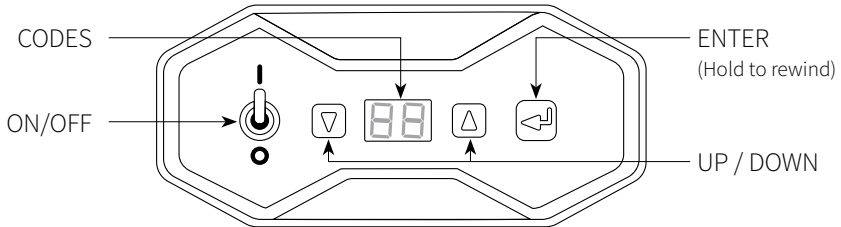
Please read the Buddy Smart Reel® Operators Handbook for full instructions, parts and maintenance instructions.

### MYPACE REMOTE

<span style="color: green;">●</span> Slow flash	Unit in pairing mode
<span style="color: cyan;">●</span> Very fast flash	Fast rewind button pressed
<span style="color: lightblue;">●</span> Intermediate flash	Slow rewind button pressed
<span style="color: red;">●</span> Very fast flash	Battery low and fast rewind pressed
<span style="color: red;">●</span> Intermediate flash	Battery low and slow rewind pressed



### SWITCH PANEL



Your Buddy Smart Reel® is equipped with a display to indicate its current status. During operation of your reel you may observe the following messages on the display.

- = Reel powered correctly, on standby, ready to operate
- = Reel has not been paired to a remote
- = Reel is in pairing mode
- = Supply voltage to reel is too low
- = Reel is rewinding at the fast setting
- = Reel is rewinding at the slow speed
- = Setup Mode
- = Diagnostics mode (technician level only)
- = Total hours of motor operation
- = Manufacture date of electronics
- = SW version
- = RPM
- = Current
- = Voltage

## SETUP MODE

**WARNING:** This level is for technician use only. Incorrect setting can cause reel malfunction.

1. Switch power on and ensure reel is in standby (0).
2. Press  $\nabla$  and  $\downarrow$  together for 5 seconds; display will change to **5U** (flashing).
3. Acknowledge with  $\downarrow$ . If not acknowledged within 3 seconds, exits Setup mode. If acknowledged, then steady **5U** will show.
4. Use  $\nabla$  and  $\Delta$  to step between setup parameters below.
5.  $\downarrow$  selects and displays the parameter value.
6. Use  $\nabla$  or  $\Delta$  to change the parameter value.
7.  $\downarrow$  Saves the new value.
8. Used \* or \* to step between the parameters until back at **5U**.
9.  $\downarrow$  will exit and return to standby (0).

Available parameters.

- **br** = Auto braking, **00** or **0F**. If **00** then **5d** setting is void.
- **bu** = Direction of rotation; **nr** = normal, **rr** = reversed.
- **lc** = Battery low voltage cut out  
Default = **9** for 12V battery; **18** for 24V system.
- **sr** = Slow speed RPM (this changes when MyPace is changed)
- **fr** = Fast speed RPM (Max speed before slowdown zone:  
**80** for 50m reel, **60** for 100 / 150m reels.
- **si** = max current setting AMPs (default **20**)
- **hp** = Hose speed correction factor (depends on reel and hose size mostly; default **1.3**)
- **5d** = Drag level (tension control) to reduce free spooling overrun (default **5**). Void if **br** is **00**. Tension control levels from **1** (low) to **9** (high).

**NOTE:** For use with AC power adaptor, **br** must be **0F** and **5d** must be set to **0** if the reel is not connected to a battery i.e. if only connected to an AC adapter power supply. This is because the electric braking generates power that must be directed to a suitable source like charging the battery. If no battery present, the AC power adaptor will be destroyed.

## SETTING HOME POSITION (H)

To adjust length of slow down zone:




1. Switch power on and ensure reel is in standby (H)
2. Make sure the hose is wound to the desired stopping position. This may be where the hose stopper is almost touching the hose guide rollers for the smaller sprayer or further out for a larger sprayer if the spray gun holder is mounted away from the reel.
3. Press and hold both the  $\Delta$  and  $\nabla$  buttons on the control panel until the display flashes with the current setting (approx. 5 seconds). This will be the letter **H** followed by a number from **0** to **9** indicating how many revolutions before the stopping position the slowdown will occur.
4. If the current **H** value is suitable, just press the  $\leftarrow$  (return button) and the hose position will be updated.
5. If you wish to change the slowdown position for your application, after step 3 above, press the  $\nabla$  button to reduce the **H** value or the  $\Delta$  to increase it. Press the  $\leftarrow$  button to save the setting.
6. To disable the slowdown zone, set the value to **H0**

## SETTING THE HOSE TENSION (Sd)

If you are finding reel is unwinding when hose reel is not in use or is not unwinding easily when it is in use, follow the below instructions to change the hose tension.



1. Enter Setup Mode (SU) - see above instructions.
2. Choose the parameter **br**. Change Auto Braking setting from **ON** to **OFF**. Save new value pressing the  $\leftarrow$  button.
3. Choose the parameter **Sd**. The default will be set to **5**.
4. Set the tension control levels from **1** (low) to **9** (high).
5. To save new value press, the  $\leftarrow$  button.

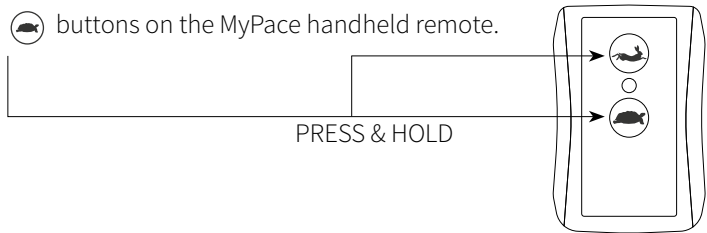
## OPERATION



1. Switch power to the Reel and confirm that the display shows .
2. Pull the hose out to the required length for spraying.
3. To retract hose at maximum speed, press the  button on the MyPace remote.
4. To retract the hose at a slower speed, press the  button on the MyPace remote. Always maintain a slight pull on the hose as it is rewinding to ensure a consistent layout of the hose on the spool.
5. Please note that the reel must not be connected to a pressure reading that is greater than 40 Bar.
6. Connect the spray gun to the fitting at the end of the hose.
7. In case of a misplaced remote the button on the switch panel will operate as a manual fast rewind.

## SETTING / CHANGING CUSTOM SPEED MYPACE REMOTE

The MyPace function allows a custom rewind speed to be set and stored. It can easily be re-calibrated as often as needed to suit changing conditions in terrain, weather or each operator's personal preference.

1. Pull the hose out to at least 20m.
2. Press both   buttons on the MyPace handheld remote.



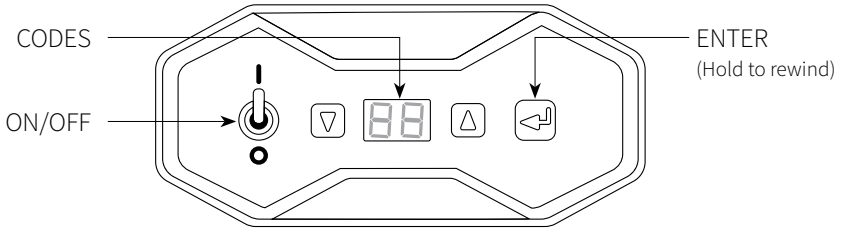
3. The Buddy® hose reel will begin to rewind at its minimum speed. The speed will gradually increase while both buttons remain pressed.
4. When the desired speed is reached, release the  button and the reel will continue at that set speed. (If both buttons are held for approximately 20 seconds the reel will reach maximum speed).
5. Releasing both buttons will cause the custom speed to be stored in the memory of the remote.
6. When the  button is pressed the reel will operate at the set speed.
7. The custom speed can be reset as often as needed by starting back at step 2.

## PAIRING MYPACE REMOTE TO BUDDY SMART REEL®

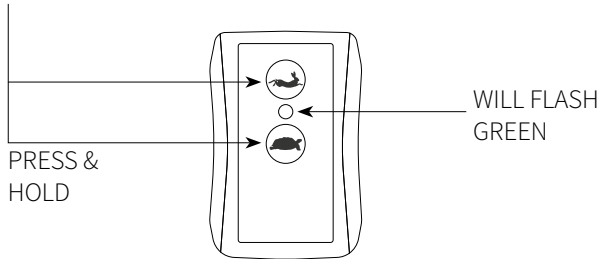
The MyPace handheld remote should be delivered already paired to the Buddy Hose Reel. If several reels have been purchased and it is not clear as to which remote is paired to which reel or if the remote has been replaced, the remote can be re-paired to the reel at any time.

### How to pair the MyPace remote

1. Stand within reach of the Buddy Reel switch panel.



2. Ensure the reel is powered and switched on. (☐ will appear in the “Codes” section)
3. Remove the batteries from the remote.
4. Press both buttons on the remote and insert the batteries while holding the buttons.



5. Green lights will flash slowly on the remote and the display on the switch panel on the reel will slowly flash **PA**.
6. Within 10 seconds, press the manual rewind button on the reel switch panel.
7. Successful pairing will be acknowledged by the display on switch panel flashing **PA** fast for a few seconds then return to a steady ☐. (The green light on the remote may continue to flash slowly for a few seconds then stop).
8. After the green light on the remote stops flashing, press either button to confirm that the reel is responding.

## BUDDY REEL ISSUES - HOW TO DIAGNOSE

Use the below chart to help diagnose and fix issues in the field.

