Function messages

Mowing	Cutting grass according to the program setting.
Raining	When it senses rain, the Landroid®M will return to the Charging Base and stay there for the time you have programmed it to do so. When dry, the Landroid®M CPU will automatically begin the delay and countdown and then return to mowing. If you want Landroid®M to mow before this, simply turn it off then on again, but only when the rain sensor is dry or you can set the delay time to 0 min.
Locating charger base	Needs to recharge—during the journey to the base, the cutting blade is stopped in order to save energy.
Charging	Charge is in progress—charge percentage are displayed.
Waiting for scheduled time	Stand-by, will start according to program set.

Error messages

Outside the boundary	1. If the Landroid®M is actually outside its territory: turn power off, take the Landroid®M inside its territory. Turn power on. 2. If the Landroid®M is inside its territory: check the LED on the charging base is on. If not, check the plug connection to the mains socket. If the LED is still off, check the boundary wire is well connected to the clamps on the charging base. 3. If the problem persists, check that the boundary wire hasn't been cut.
PIN code error	Refer to the "Programming" section to re-set your PIN.
Blade disc blocked	1. Turn power off. 2. Turn the Landroid®M upside down and check if there's anything preventing the blade disc to rotate. 3. Remove any possible obstruction. 4. Turn the Landroid®M upright and take it to an area with short grass or adjust the cutting height. 5. Turn power on.
Wheel motor blocked	1. Turn power off: take the Landroid®M in an area free from obstacles. 2. Turn power on. 3. If the error message is still displayed; turn power off; turn the Landroid®M upside-down and check if there's anything preventing the wheels from rotating. 4. Remove any possible obstruction, turn the Landroid®M upright, turn power on.
Trapped	1. Turn power off. 2. Take the Landroid®M in an area free from obstacles. 3. Turn power on. 4. If the error message is still displayed; turn power off; turn the Landroid®M upside-down and check if there's any debris causing a blockage in the top cover. 5. Remove any possible obstruction, turn the Landroid®M upright, turn power on.
Lifted up	1. Turn power off. 2. Take the Landroid®M to an area clear of obstacles, turn power on. 3. If the error message is still displayed: turn power off, turn the Landroid®M upside-down and check there's nothing trapped. 4. Remove any possible object, turn the Landroid®M upright, turn power on.
Upside down	Turn the Landroid®M upright.
Charging Base Blocked	1. The contact between the Charging and Contact Pins may be obstructed in some way. 2. Wipe off the Charging and Contact Pins, making sure there is not an object obstructing them, then place your Landroid®M in the charging base and check that the Pins make good connection.
Battery very low	1. This means that there is low battery voltage. 2. In this case you must place the Landroid®M in the Charging Base , then press the ON/OFF key to start charging.

Notes
- **If the above error messages appear on the display, correct the problems first, then press "O" to reset.**
- Before turning power on, always check the Landroid®M is inside its territory. If not, the message "outside working area" will be displayed. This message is displayed also when the Landroid®M is sitting over the boundary wire when turned on.
- If for any reason—i.e. a party, children playing...—you want to park your Landroid®M in the charging base: press the key with the home symbol. The Landroid®M will go to its base and stay there. Please note the Landroid®M will now wait until the next scheduled mowing session. If you want to re-start it: turn power on. Landroid®M will now resume its scheduled mowing session.
- If an error repeatedly occurs in the same area of your lawn, you might have a problem with the boundary wire so please refer to the previous installation instructions and check your set up with its help.
- If your lawn is divided in two separated areas, connected by a corridor less than 1m, one of which is not provided with the charging base: when the Landroid®M runs out of charge, take it manually to the charging base, turn power on, press the key with the home symbol and the charge process will start.
- If the Landroid®M runs abnormally once in a while, please try to restart it. If the problem cannot be solved, please contact WORX Service Agent for help.
- Do not wash the machine with a high pressure washer. This could cause damage to the battery or the machine.

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Programming and trouble shooting guide
Control Panel and menu

HOME
Sends the Landroid®M to its charging base during operation and activates charging

START
Shortcut key to start mowing.

NUMBER PAD
Input numbers to set time, date

STOP
To stop the Landroid®M during normal operation

HOMEPAGE
Displays the state of your setting

POWER ON/OFF
Turns the Landroid®M on and off

RETURN
Back to proceeding menu
Select up
Select down

OK
Confirms any setting.
Note: Make sure you confirm your selection within 30 secs or the display will return to previous menu.
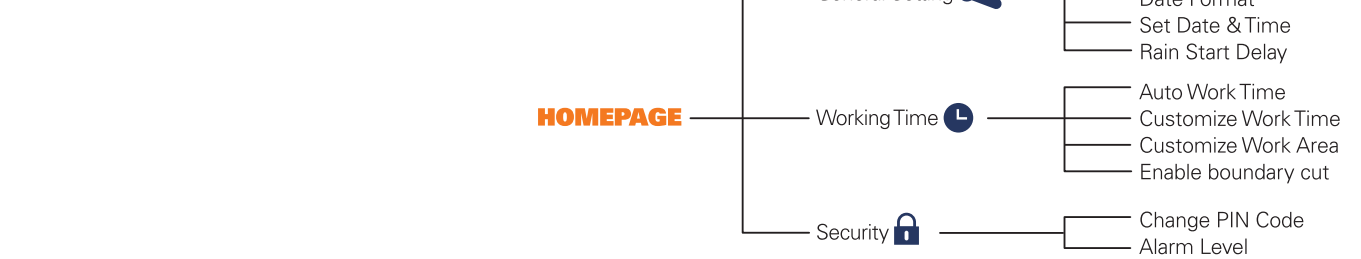
LANDROID® M
UNMANNED MOWING VEHICLE

Always close the panel cover after programming, your Landroid®M will not move with it open.

Menu overview

HOMEPAGE
- General Setting
  - Language
  - Time Format
  - Date Format
  - Set Date & Time
  - Rain Start Delay
- Working Time
  - Auto Work Time
  - Customize Work Time
  - Customize Work Area
  - Enable boundary cut
- Security
  - Change PIN Code
  - Alarm Level

Programming

After you have successfully installed the Landroid®M, it is now ready to be programmed according to your schedule. To program your Landroid®M, simply follow the step by step guide below.

Start

To quick start your Landroid®M, first press [power] until the Landroid®M turns on and input the default PIN 0000, then press [START]. [START] is the shortcut button to command your Landroid®M to start mowing. Press [START] and close the cover to keep working and press [home] and close the cover to make Landroid®M go back for charging and mow the grass near boundary wire at the same time. During Customize work time and Auto work time, Landroid®M will return to the charging station automatically, and Landroid®M will mow the grass near boundary wire once a week automatically. The Landroid®M will work continuously until it's out of battery and then it will return to the charging base. Once charging is complete, the Landroid®M will automatically resume mowing or if it has finished mowing it will stay in the charging base.
The factory default setting is 10800sq.ft (1/4 acre) – refer to the Auto Mowing Time Schedule. if the time is not in the schedule, press START and close cover to start.
If you want to change the working time and other settings, please follow the steps below.

Setting

Press **OK** to enter the submenu. Use the [up][down] keys to select General setting, Working time or Security. Then press **OK**.

1. General setting (🔧)

```
   General setting
■ Language
  Time format
  Date format
  Set date & time        ▼
```

```
        Language
■ English
  Français
  Español
```

Language, Time format. Date format. Set date & time and Rain Start Delay can be set in this menu, using the ⬆⬇ keys to select then press **OK**.
Press ↩ to go back to the previous menu.
Note: Set date and Set time are two compulsory setting items. If you don't set these two items, it will influence the Schedule time in the following setting.

1.1 Language
Select the appropriate language by using the ⬆⬇ keys, then press **OK**.

```
     Time format
■ 12am 12pm
  24hour
```

```
     Date format
■ MM-DD-YYYY
  DD-MM-YYYY
  YYYY-MM-DD
```

1.2 Time format
Select **12 am 12 pm** or **24 hour** by using the ⬆⬇ keys, then press **OK**.

1.3 Date format
Select **MM-DD-YYY**, **DD-MM-YYYY** or **YYYY-MM-DD** by using ⬆⬇ keys, then press **OK**.

```
    Set date & time
Date: 04-10 -2012
      DD-MM-YYYY
Time: 08:37PM
      12h
```

```
    Rain start delay

       180 min
```

1.4 Set date & time
Press **OK** first, when the number is blinking, press the number directly or use the ⬆⬇ keys to input the actual date or time, then press **OK** to confirm.
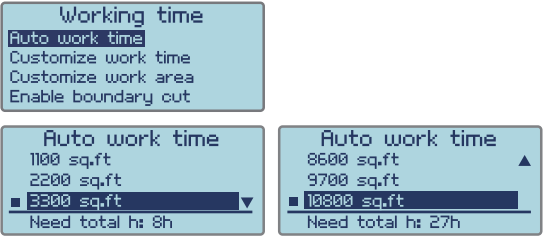**Note:** Only when the number is blinking can you set the date.

1.5 Rain Start Delay
Press **OK** first, when the number is blinking, input the number of minutes from **0-180min**.
When it rains, the Landroid®M will return to the charging base to wait for the rain sensors to dry. When dry, the Landroid®M CPU will automatically begin the delay start countdown and then return to mowing. If the delay time is set as 0, Landroid will continue mowing.

2. Working time (🕐)

```
      Working time
■ Auto work time
  Customize work time
  Customize work area
  Enable boundary cut
```

Auto work time, Customize work time, Customize Work Area, and Enable boundary cut can be set in this menu, use the ⬆⬇ keys to select then press **OK** .
You can press **START** to start your Landroid®M when Customize work time programming or Auto work time programming is complete.

```
    Auto work time
  1100 sq.ft
  2200 sq.ft
■ 3300 sq.ft          ▼
  Need total h: 8h
```

```
    Auto work time
  8600 sq.ft          ▲
  9700 sq.ft
■ 10800 sq.ft         ▼
  Need total h: 27h
```

2.1 Auto work time
Use the ⬆⬇ keys to select the lawn area. The working time will be automatically set according to the size of your garden. Then press **OK**.
Note: The Landroid®M can mow an area to 10800 sq.ft.
Auto work time will display on the bottom of the display.
A " ■ " will appear in front of the option you selected.
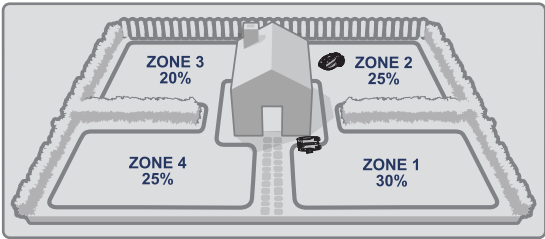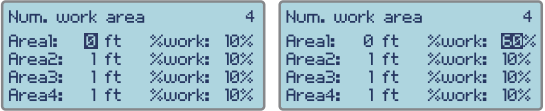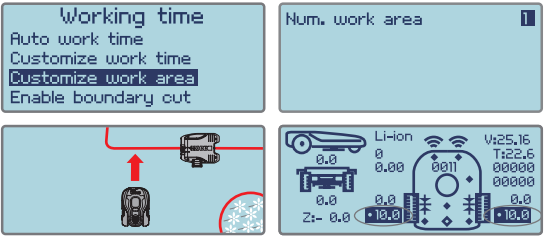You could find more details about default work time of Landroid®M in following table:

Landroid®M WG794- Auto mowing time schedule.

Area sq.ft	Auto mowing runtime - hours	Monday mowing hours	Tuesday mowing hours	Wednesday mowing hours	Thursday mowing hours	Friday mowing hours	Saturday mowing hours	Sunday mowing hours
1100	3	7:00-8:30	/	/	7:00-8:30	/	/	/
2200	7	7:00-8:24	7:00-8:24	7:00-8:24	7:00-8:24	7:00-8:24	/	/
3300	8	7:00-8:36	7:00-8:36	7:00-8:36	7:00-8:36	7:00-8:36	/	/
4300	11	7:00-9:12	7:00-9:12	7:00-9:12	7:00-9:12	7:00-9:12	/	/
5400	13.5	7:00-9:42	7:00-9:42	7:00-9:42	7:00-9:42	7:00-9:42	/	/
6500	16.5	7:00-10:18	7:00-10:18	7:00-10:18	7:00-10:18	7:00-10:18	/	/
7500	19	7:00-10:48	7:00-10:48	7:00-10:48	7:00-10:48	7:00-10:48	/	/
8600	21.6	7:00-11:18	7:00-11:18	7:00-11:18	7:00-11:18	7:00-11:18	/	/
9700	24.3	7:00-11:54	7:00-11:54	7:00-11:54	7:00-11:54	7:00-11:54	/	/
10800	27	7:00-12:24	7:00-12:24	7:00-12:24	7:00-12:24	7:00-12:24	/	/

```
  Start time  Hours
Mon  07:00AM  ~  5.4h
Tue  07:00AM  ~  5.4h
Wen  07:00AM  ~  5.4h ▼
```

```
  Start time  Hours
Fri  09:00AM  ~  5.0h
Sat  00:00AM  ~  0.0h
Sun  00:00AM  ~  0.0h ▼
```

2.2 Customize work time
You can set schedule time from Monday to Sunday.
Press **OK** first, when the number is blinking, Input the start time and hours you want your Landroid®M to mow on a particular day.
If you do not want the Landroid®M to mow on a particular day simply confirm the hours 0.0h.

```
09:00pm
Wed. 6-8-2012
🕐 M T W T F S S
7:00am ~ 12:00am          🔒
```

```
  Working time adjust

        -10%
```

Working time adjust
If you are still not satisfied with the time you set, there's a shortcut to adjust the working time.
When the Landroid®M is in standby mode, use the ⬆⬇ keys to adjust the working time. The overall working time will be adjusted in increments of 10% of the overall working time.

```
     Working time
  Auto work time
  Customize work time
■ Customize work area
  Enable boundary cut
```

```
   Num. work area       1
```

```
  Num. work area       4       Num. work area       4
Area1:  0 ft  %work: 10%     Area1:  0 ft  %work: 60%
Area2:  1 ft  %work: 10%     Area2:  1 ft  %work: 10%
Area3:  1 ft  %work: 10%     Area3:  1 ft  %work: 10%
Area4:  1 ft  %work: 10%     Area4:  1 ft  %work: 10%
```

```
        ZONE 3              ZONE 2
         20%                 25%

        ZONE 4              ZONE 1
         25%                 30%
```

```
     Working time              Activate border cut
  Auto work time
  Customize work time             No      Yes
  Customize work area
■ Enable boundary cut
```

2.3 Customize work area
TThe Landroid®M may be programmed to mow in four different mowing zones or areas. Press **OK** first, then input the number of zone.
Programmed to mow in 4 different connected zones. Each zone can be set by determining the distance along the boundary wire from the charging station.
Remove Landroid®M from the charging station and position it one metre from the charging station, press the ON/OFF button, then press the Home button.
Note: Zone 1 is the area near the charging station. The Landroid®M will move along the boundary line, when it moves into the next required mowing area (Zone 2) press the STOP button and press the **2** button to confirm the distance. Make a note of the distance along the boundary wire for zone 2, zone 3 and zone 4. The distances recorded will then be input to the machine memory manually.
Note: the distance of Area1 is always 3ft. You may delegate the overall working time of the Landroid®M according to the size of each zone mowing area.
First press the **OK** button, the area number will begin to flash. Then input the working time ratio(%) of each area. Press the **OK** button to confirm.
Note: the total % work time ratio should add up to 100%.
Note: In order to successfully confirm the mowing times and areas your selections must be flashing.
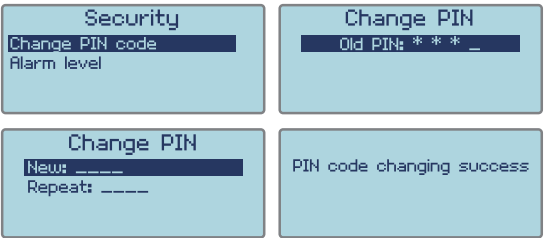
2.4 Enable boundary cut
Select YES to enable the Boundary cut.
If Enable boundary cut function is set up, the Landroid®M will work along the boundary wire automatically.
If you don't want to enable the Boundary cut, just select NO.

3. Security (🔒)

```
       Security
■ Change PIN code
  Alarm level
```

```
      Change PIN
   Old PIN: * * * _
```

3.1 Change PIN code
Using the ⬆⬇ keys to select then press **OK** .
Type the Old PIN (default PIN 0000), then press **OK**. Then type your New PIN and repeat it.

```
      Change PIN
  New: ____
  Repeat: ____
```

```
  PIN code changing success
```

```
      Alarm level
■ High
  Low
```

3.2 Alarm level
Use the ⬆⬇ keys to select the alarm volume setting.
High = loud setting (60~70dB)
Low = quiet setting (40~50dB)

NOTE: If you input the wrong PIN code, the Landroid®M will be turned off automatically. Press On/Off key to On, input the correct PIN code, then the Landroid®M will turn on again.
WARNING: If you decide to change the PIN code, be aware there's no way to restore the Landroid®M if you forget the PIN code. Please write your PIN code here and store this sheet in a safe place for future reference. Even better, register your Landroid®M online and enter your PIN code there. You will always be able to find your PIN online at **www.worxlandroid.com**.

```
  Your PIN code
```