# Contents

# Luba RTK checklist

Please use the link below to complete the checklist before you buy.

https://qfreeaccountssjc1.az1.qualtrics.com/jfe/preview/previewId/90321ec4-d8ed-41ac-818b-be4125a5ff16/SV_1RFwcOBb8Uo4XuS?Q_CHL=preview&Q_SurveyVersionID=current

# What is the max height of the grass that Luba can cut?

The max height of the grass that Luba can cut is 100mm.

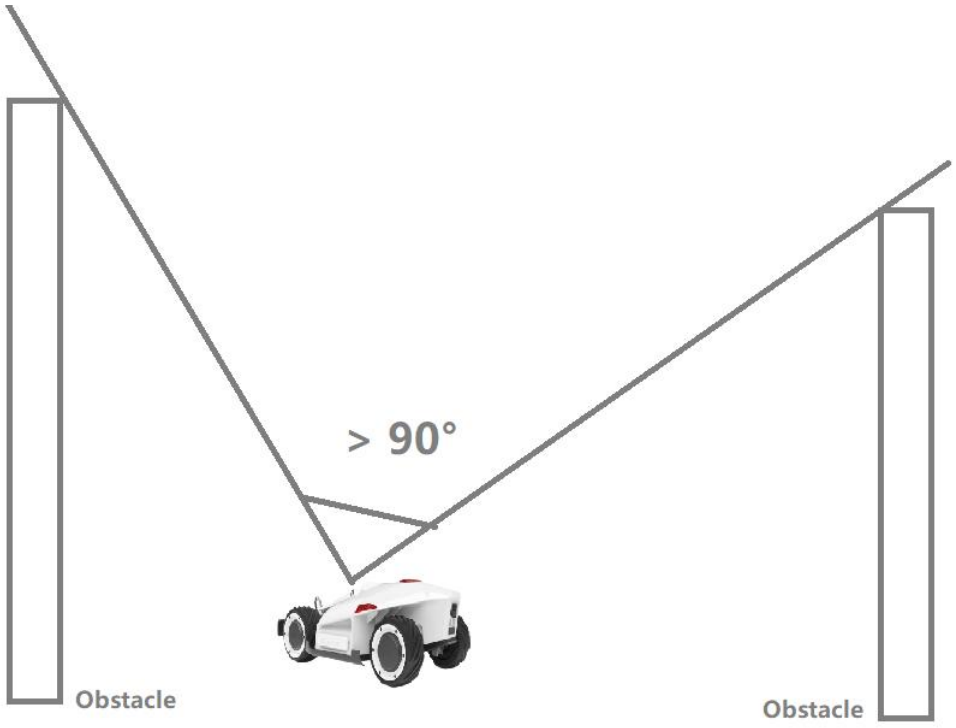
The following is the Cutting Height of Luba. The Cutting Height refers to the height of the Cutting Blades. It is different from the Grass Height.

| LUBA | Cutting Height |
|---|---|
| AWD 5000 | 30 - 70mm (1.2" - 2.8") |
| AWD 3000 | 30 - 70mm (1.2" - 2.8") |
| AWD 1000 | 30 - 70mm (1.2" - 2.8") |

# What is the working condition for Luba?

Luba needs continuous signals from both the RTK reference station and the satellites during the job.

It needs a 90° open-sky view at least to get enough signal to work.




It does not always need a line-of-sight view from each point of your lawn to the RTK reference station. Our radio transmission ability allows the data transmission to also work as long as the transmission path is not fully obstructed.

# How many no-go zones can I set?

You can set up to 50 no-go zones for each cutting area. And you can set up to 10 areas with LUBA AWD 5000 and up to 500 no-go zones.

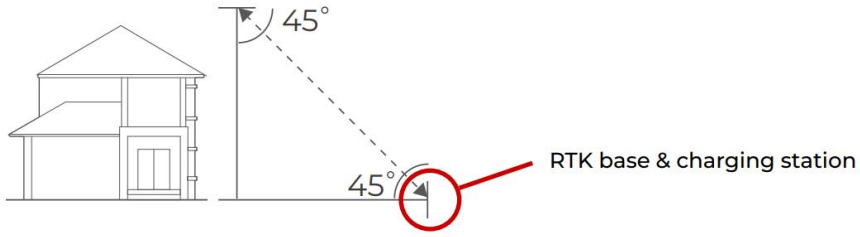
# What is the max area LUBA AWD 5000 can work with?

The max area LUBA AWD 5000 can work with is up to 5000 ㎡ (1.25 acre). You can set up to 10 cuttings zones but the sum of the zone should not exceed 5000 ㎡.

The actual area could be less than 5000 ㎡ if the created map is in a complex shape.

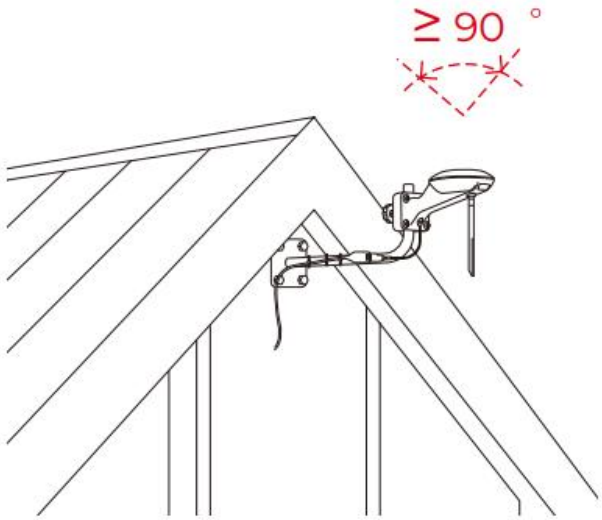
# What is the best installation place for RTK Reference Station?

1. The distance between RTK Reference Station to the walls, roof, or trees should be ideally distanced by 45° from RTK Base to the height of walls, roof, or trees as shown below.




| Height of the building or obstacle | Distance between the RTK base and the building or obstacle |
|---|---|
| 1m | >1m |
| 2m | >2m |
| 3m | >3m |
| 4m | >4m |

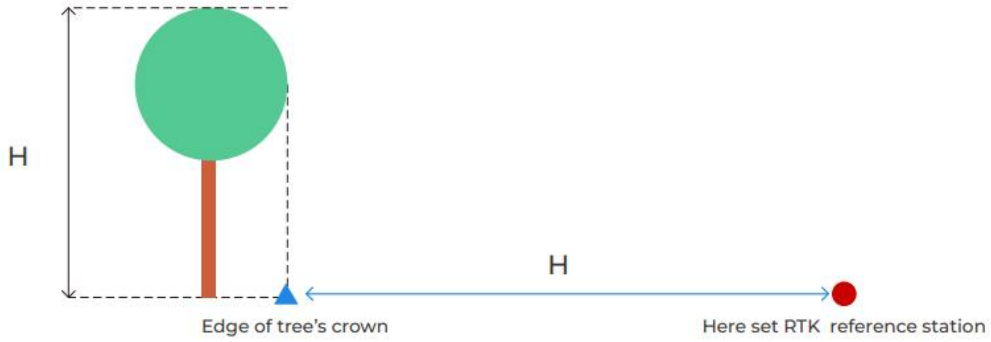
Or install the RTK Reference station on the wall or roof with an open sky area. As shown below.



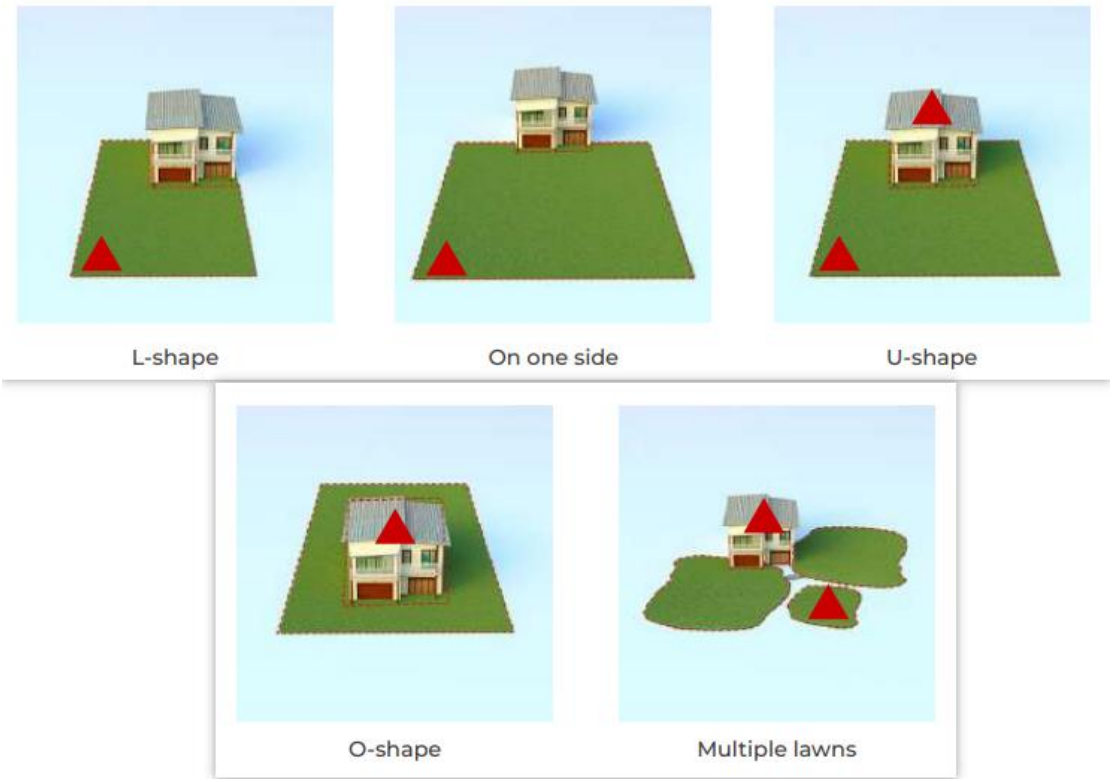

2. At least 5m away from large glass walls or large metal objects such as walls made of iron sheets.

3. The RTK Reference station should be set straight as shown below.

4. If there are tall trees with large foliage coverage then install the RTK reference station on the lawn as shown below. The distance between the reference station should be at least the same distance away from the height of the tree to the edge of the foliage area.




5. If your lawn is with an “O”-shape, “U” shape, or with separate lawns, we recommend that you set the RTK reference station in a higher place, i.e. on the roof. If your lawn is with an “L”-shape, you can set the reference station on the roof or on the point as shown below.




If your Lawn is with “O”-shape, “U” shape, or with separate lawns, we recommend you set RTK reference
station on the wall or roof with our wall installation kit.