

YARBO

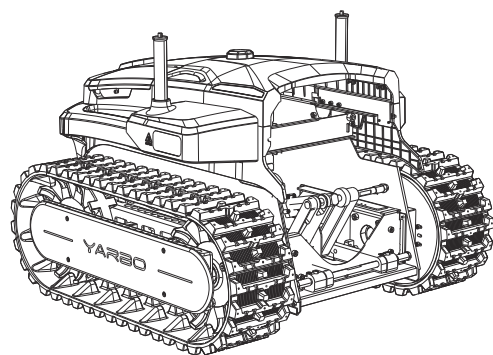
Quick Start Guide



Video Assembly Guide

What's in the Box?

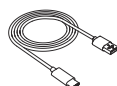
Universal Body Box



Universal Body



Controller



Charging Cable
for Controller



x2

RTK Antenna for
Universal Body



Socket #1



Socket #2



Socket #3



Allen Key #1



Allen Key #2



Allen Key #3



Allen Key #4



Wired Charger



x2

Anti-theft Bolts
of Battery Cover



Spare Bolts



x100

Anti-slip Studs



Tow Hitch



x4

Bolts and Nuts for
Tow Hitch



RTK Base



RTK Base Holder



RTK Base Charger



RTK Assembly



LoRa Antenna



x20

Wall Clips for
RTK Cable



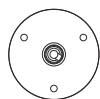
x100

Connection
Bolts for RTK Set



x3

Grass Pegs for
RTK Mount



Mount for
RTK Set



x3

Expansion Bolts for
RTK Mount



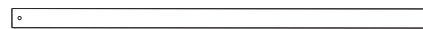
x2

T-joint for
RTK Set



x2

Cap for RTK T-joint



x3

Pole for RTK Set



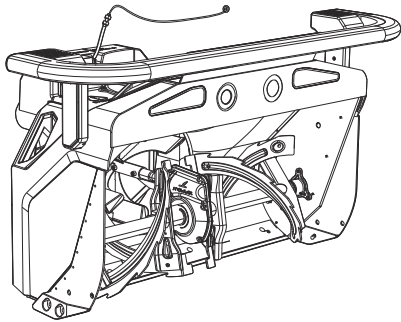
User Manual



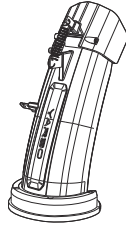
Quick Start Guide

What's in the Box?

Snow Blower Module Box



Snow Blower S1 Module



Discharge Chute



x4

Shear Pins



x4

Cotter Pins

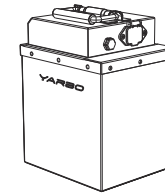


Skid Shoes and Fasteners



Clean-out Tool

Yarbo Battery Box

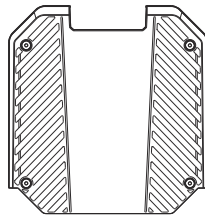


Yarbo Battery

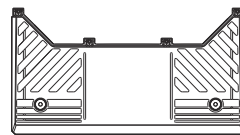
Docking Station Box



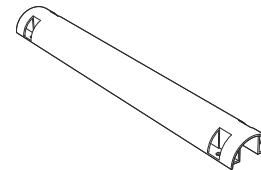
Docking Station Control Unit



Docking Station Charging Unit



Docking Station Slope



Power Station Cable Ramp



Bolts for Docking Station



Expansion Bolts for Docking Station



Grass Pegs

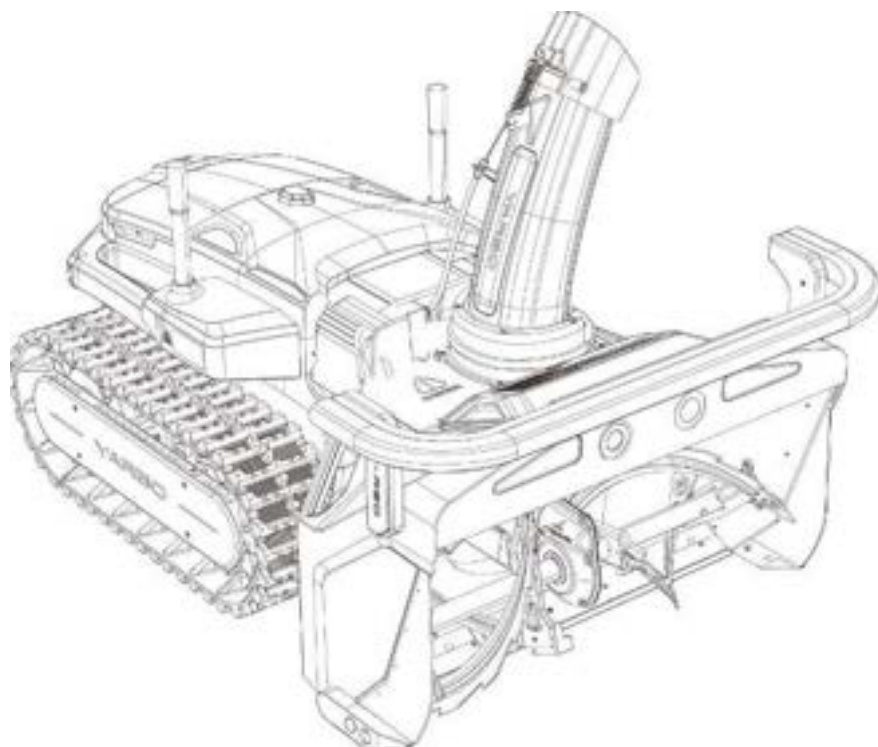


33ft

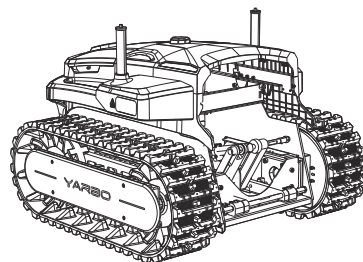
Power Cable for Docking Station

Assembling Yarbo

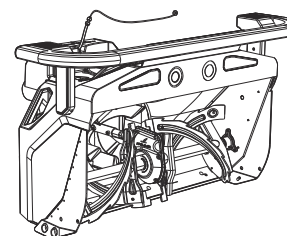
Yarbo Snow Blower S1



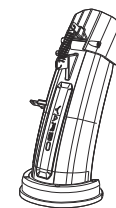
Preparing Necessary Parts and Tools



Universal Body



Snow Blower S1 Module



Discharge Chute



x2

RTK Antenna for
Universal Body



Allen Key #1



Allen Key #2



Allen Key #3



x2

Anti-theft Bolts
of Battery Cover

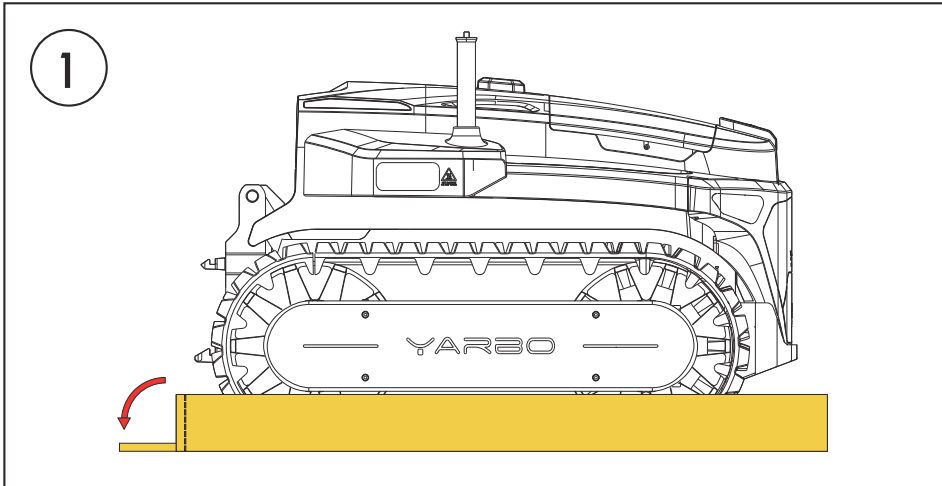


Spare Bolts

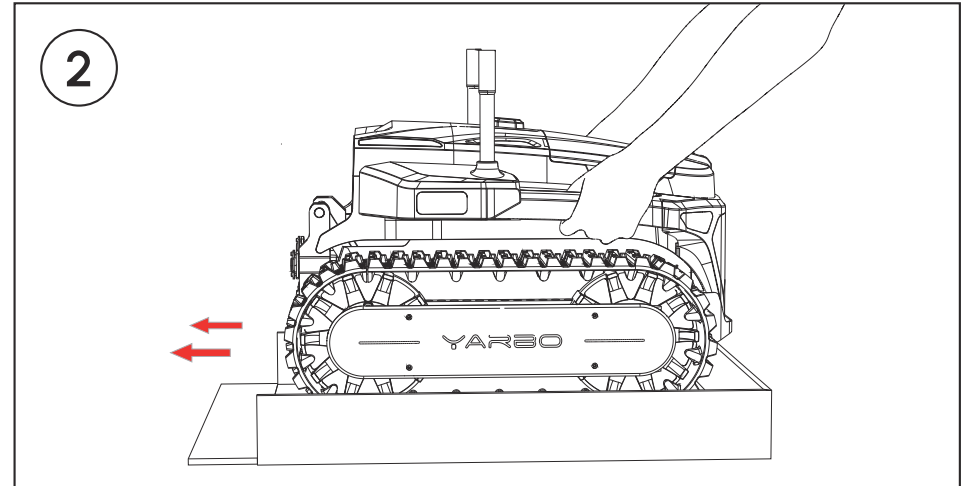


Yarbo Battery

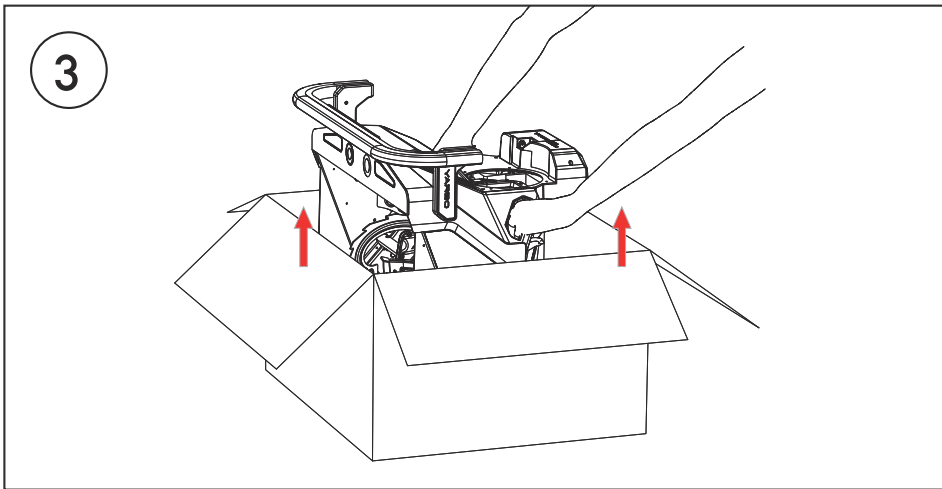
Assembling Yarbo



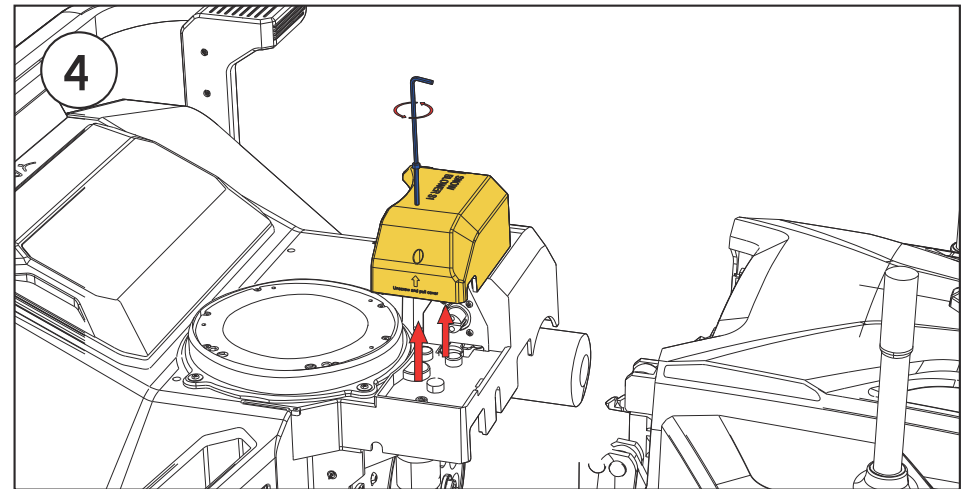
Cut the box along the line on the box.



Push the Universal Body out from the packaging box.
DO NOT grab the antenna poles.

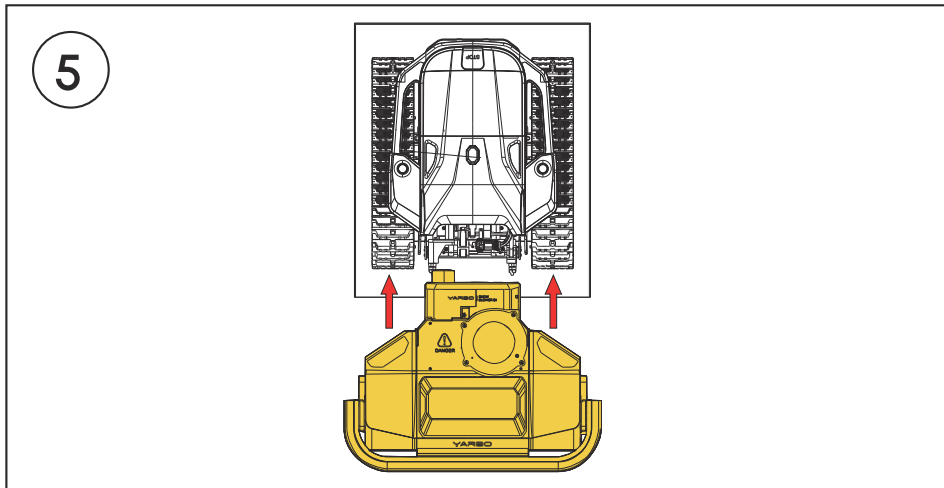


Lift the Snow Blower S1 out from the packaging box.
DO NOT lift by the Bumper.

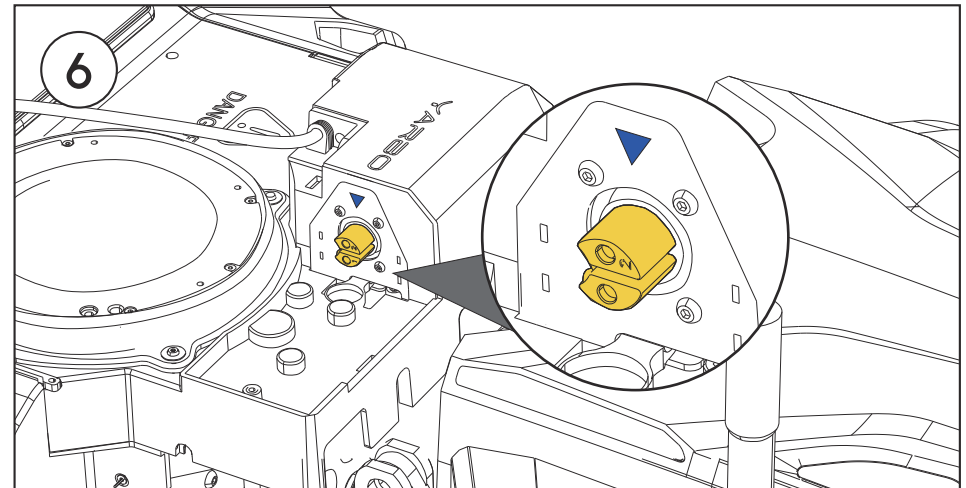


Remove this cover with Allen Key #1.

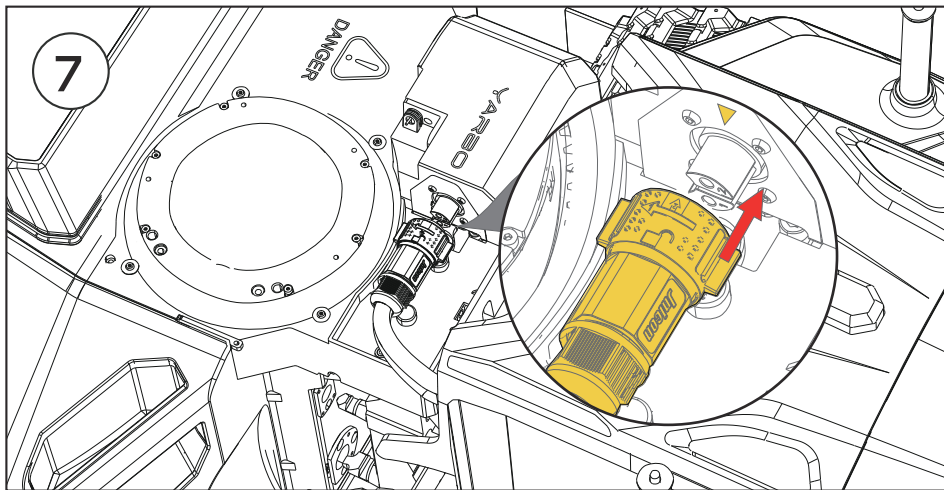
Assembling Yarbo



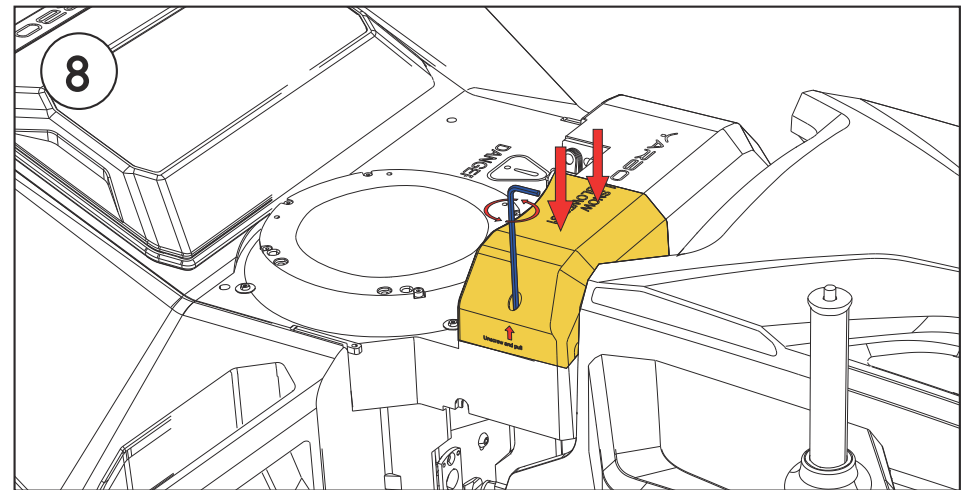
Position the Snow Blower Module next to the Universal Body closely.
DO NOT connect these two parts now.



Locate this port on Snow Blower Module.

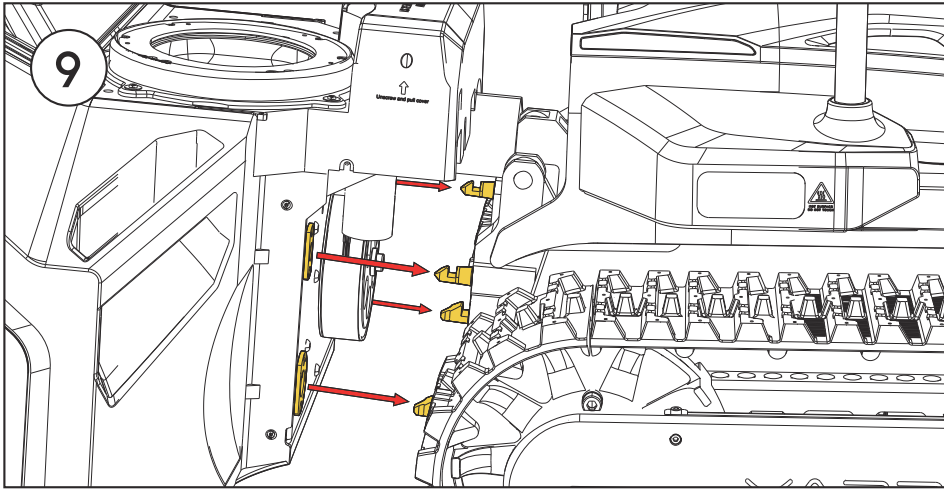


Locate the cable inside the Universal Body.
Forcefully insert until you hear or feel a click.

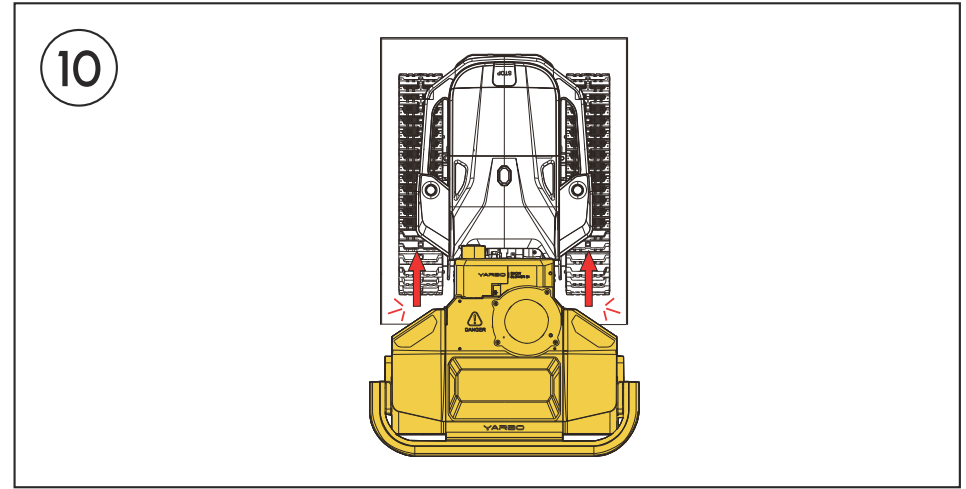


Place the cover removed in step 4 back to its original position.
Tighten the bolt*.
*DO NOT skip this step.

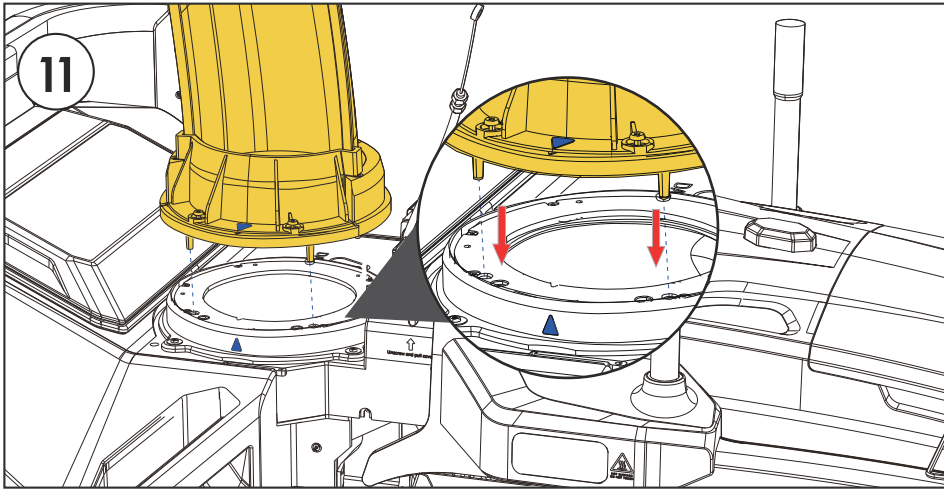
Assembling Yarbo



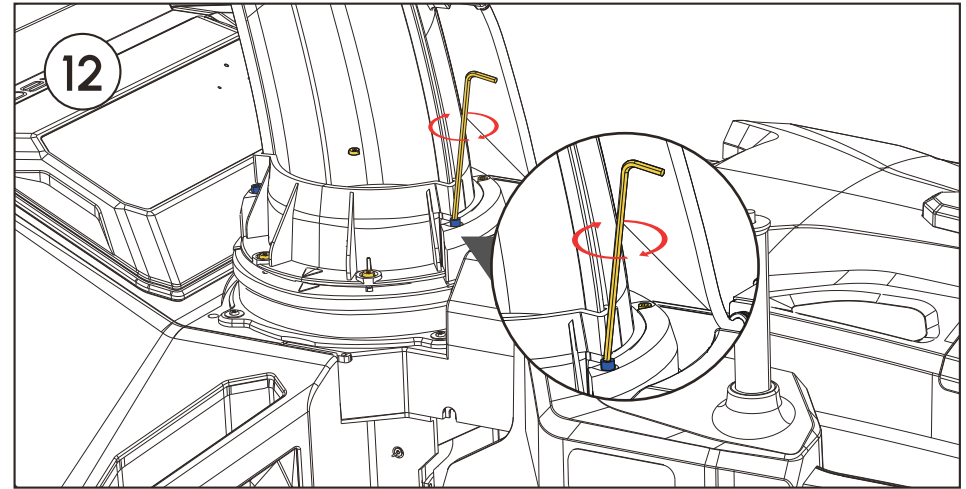
Locate the holes and shafts.
Lift the Snow Blower Module up slightly.



Slightly lean the Snow Blower Module backward.
Gently push together, until you hear or feel a click.
Press down the locks on the Snow Blower Module.

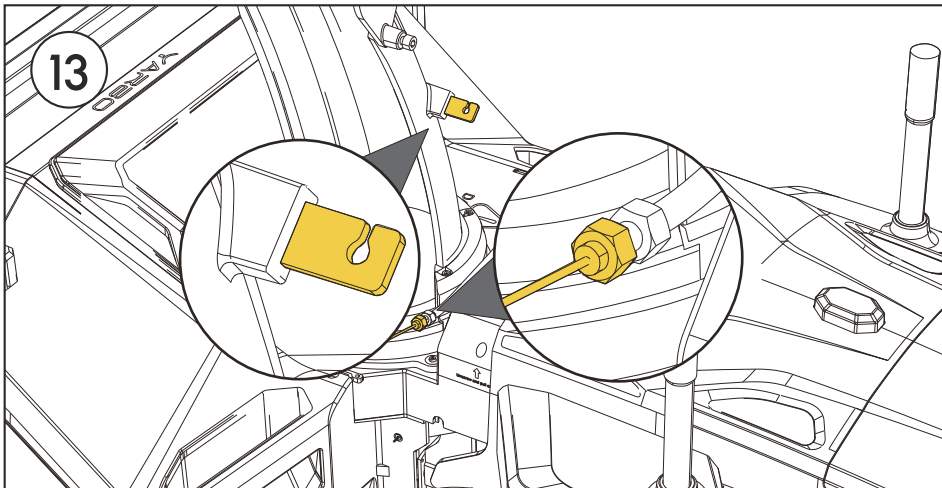


Align two engraved triangle signs.
Place the discharge chute on the module.

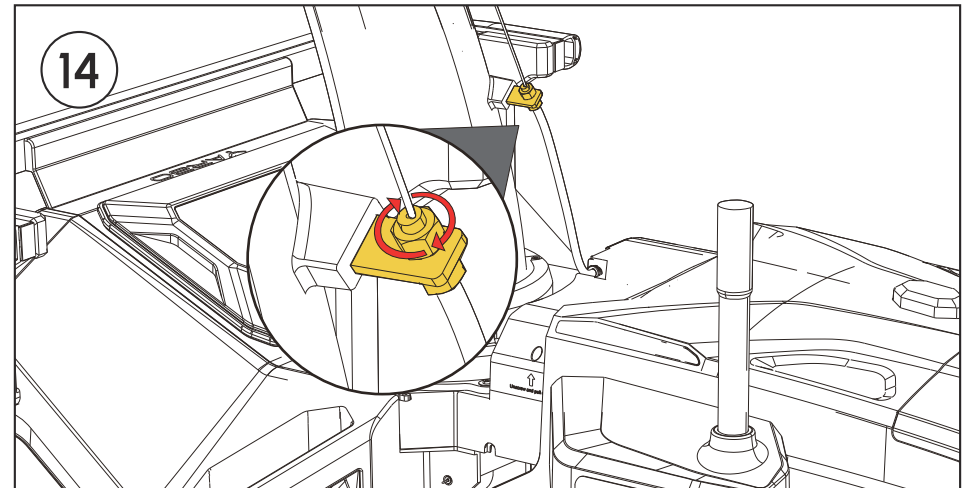


Tighten the 2 bolts on the edge first with Allen Key #2.
Then tighten the remaining 4 bolts.

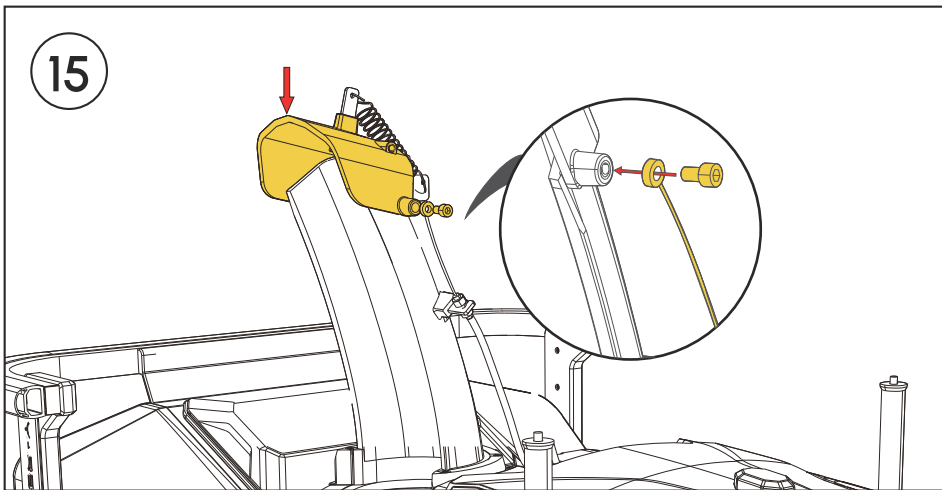
Assembling Yarbo



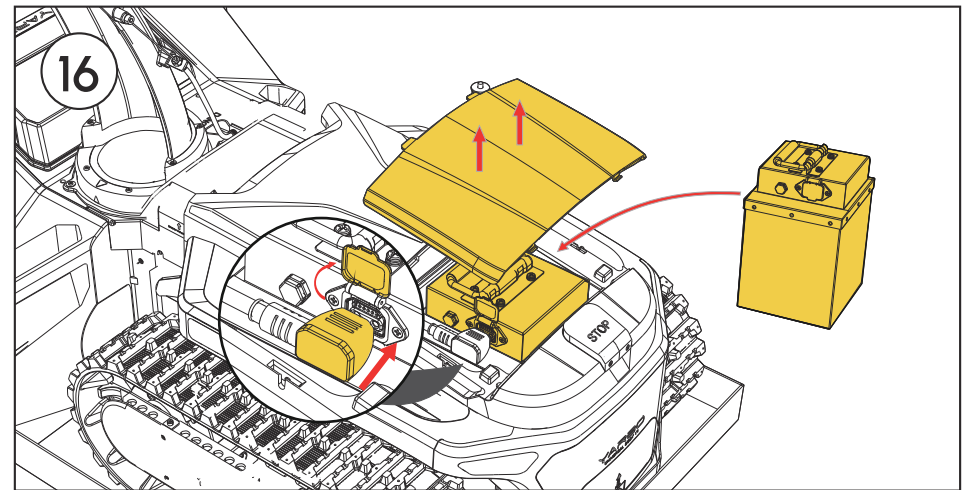
Locate the open loop and nut.
Loosen the nut on the top, **DO NOT** loose the other nut.



Place the cable in the open loop.
Tighten the nut.

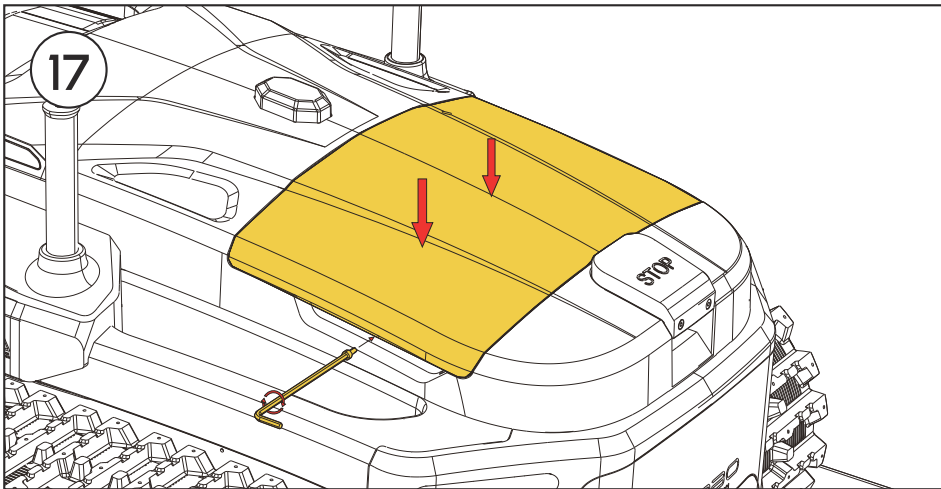


Unscrew the bolt.
Press down the deflector on the chute.
Insert the bolt through the ring at the end of the cable.
Screw the bolt back in place, use Allen Key #4.



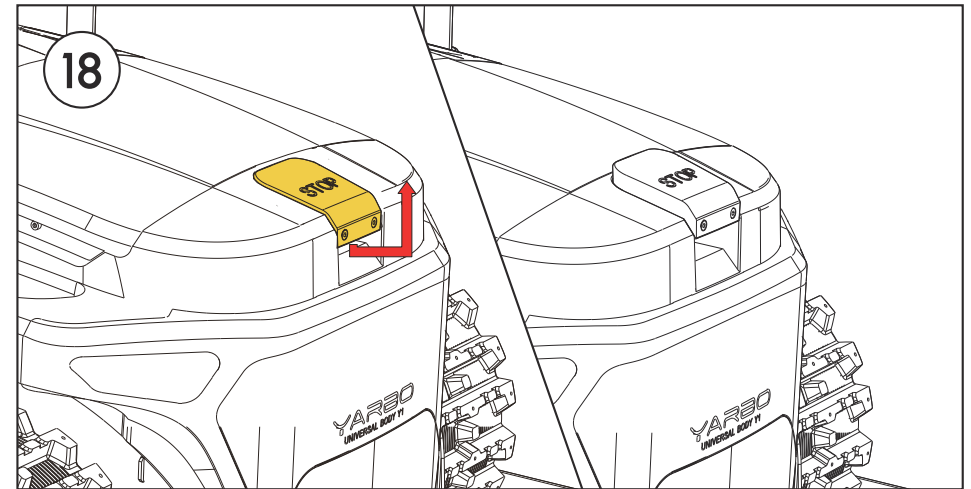
Remove the cover by grasping both sides with your hands.
Place the battery inside.
Connect the cable from the Universal Body to the battery.

Assembling Yarbo

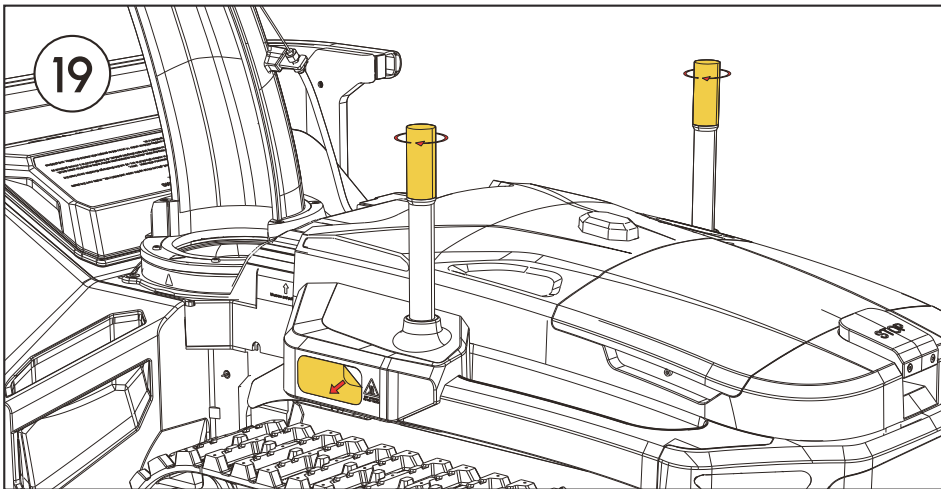


Reinstall the cover.

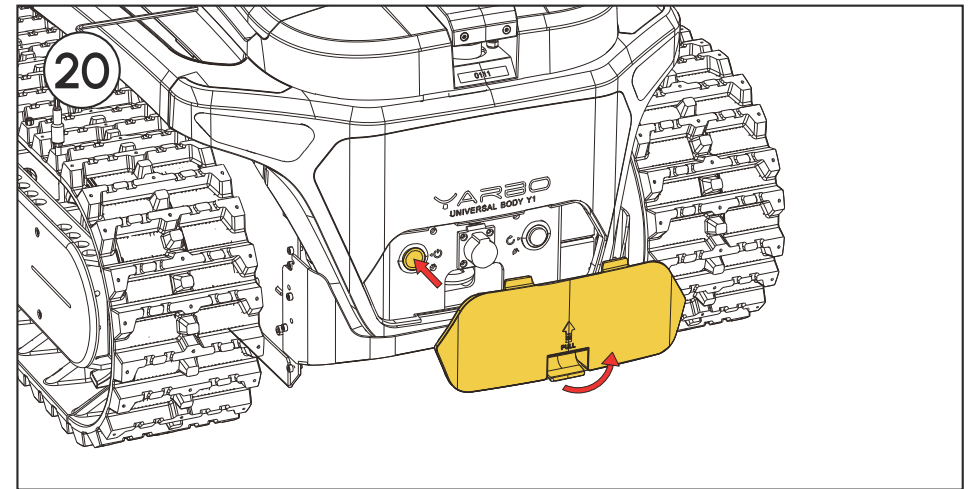
Screw the Anti-theft Bolts for Battery Cover on both sides with Allen Key #1.



Lift the Emergency Stop Button.



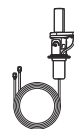
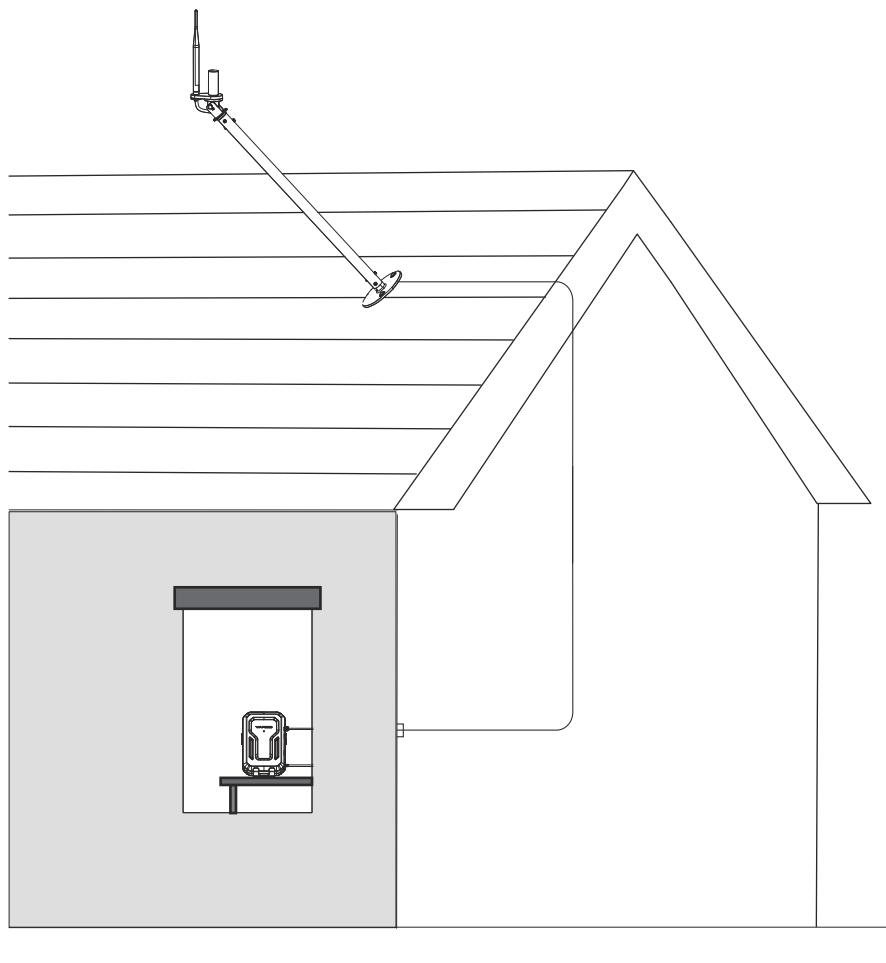
Attach the antennas to the designated connectors using two fingers.
Remove the protective film from the three cameras, including two side cameras and one front camera.



Remove the rear cover.
Press the power button to turn on Yarbo.
Press the cover back.

RTK Set

Preparing Necessary Parts and Tools



RTK Assembly



LoRa Antenna



RTK Base



RTK Base Holder



RTK Base Charger



x2

T-joint for
RTK Set



x2

Cap for
RTK T-joint



Mount for
RTK Set



x3

Expansion Bolts
for Mount



x20

Wall Clips for
RTK Cable



x20

Connection
Bolts for RTK Set



x3

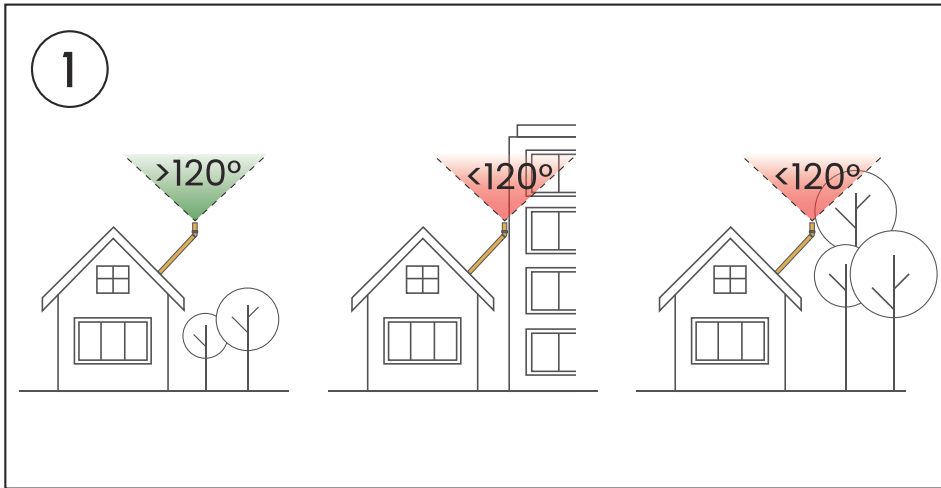
Grass Pegs
for Mount



x3

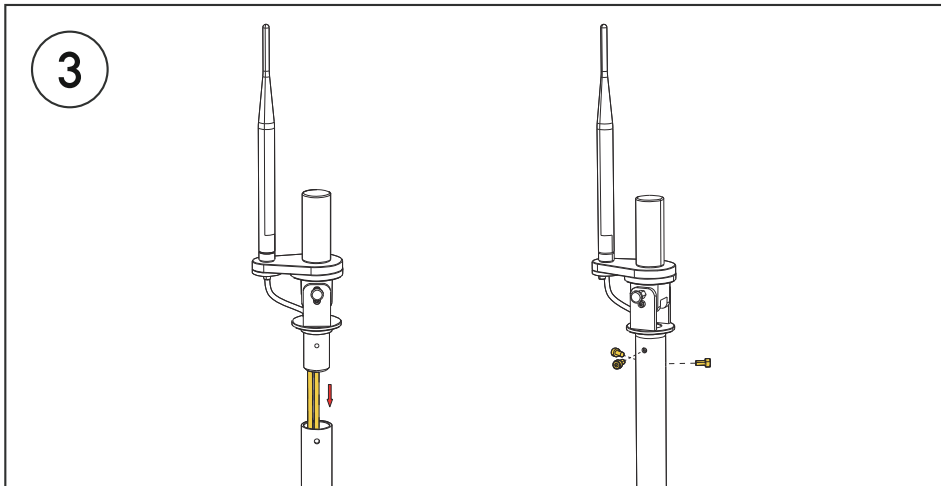
Pole for RTK Set

Assembling RTK Set



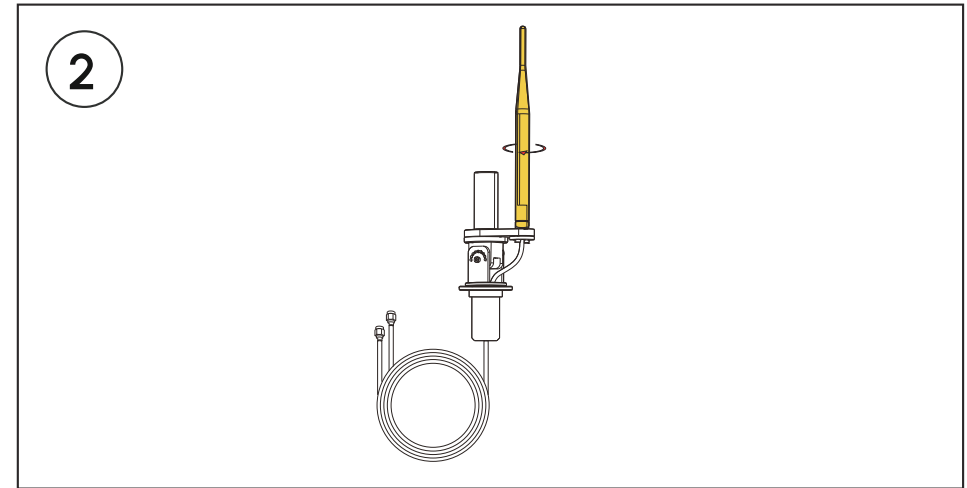
The RTK Antenna needs directly to the sky. In order to ensure the best signal strength, we recommend installing the RTK Set on your roof*. **Make sure the location you choose to install the RTK Set has at least 120° of unobstructed view of sky.**

*For other installation methods, please refer to the User Manual.

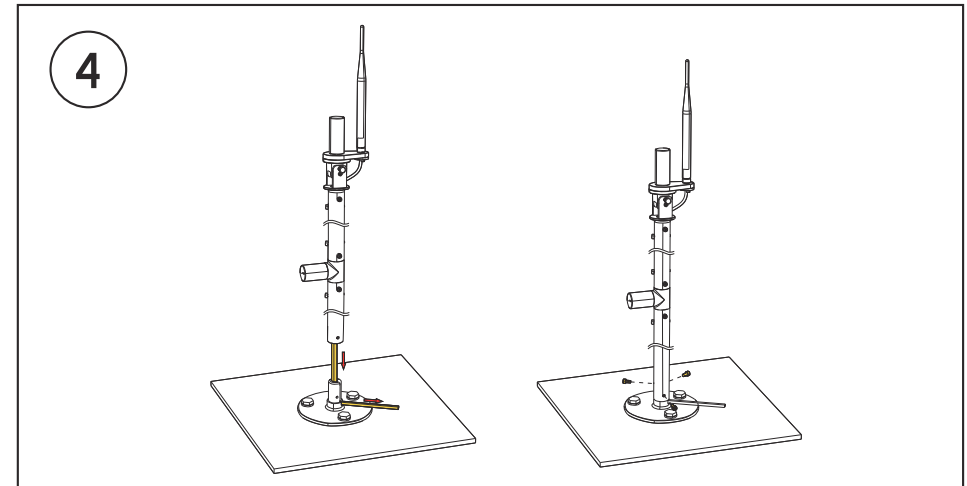


Thread the cables on RTK Assembly through one Pole for RTK set provided in the box.

Tighten bolts (Connection Bolts for RTK Set) with Allen Key #2.



Gently attach the LoRa antenna to the connector using two fingers.

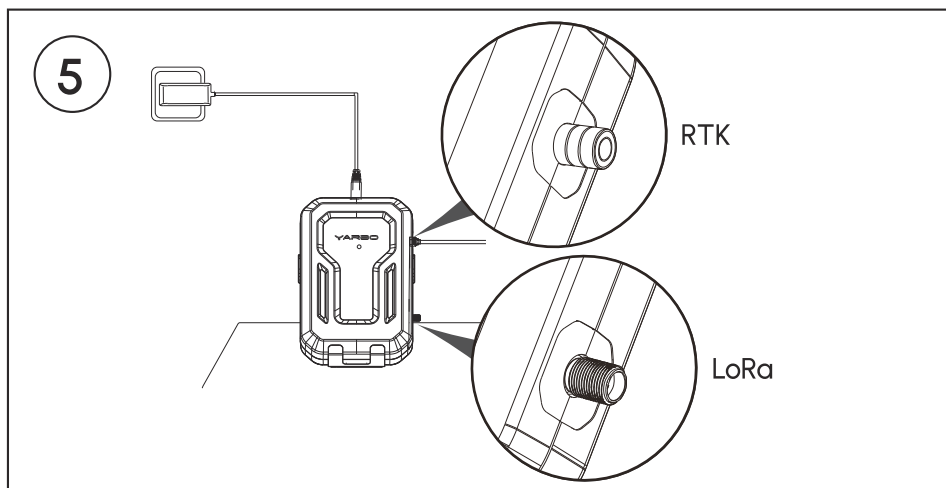


Thread the cables on RTK Assembly through the mount.

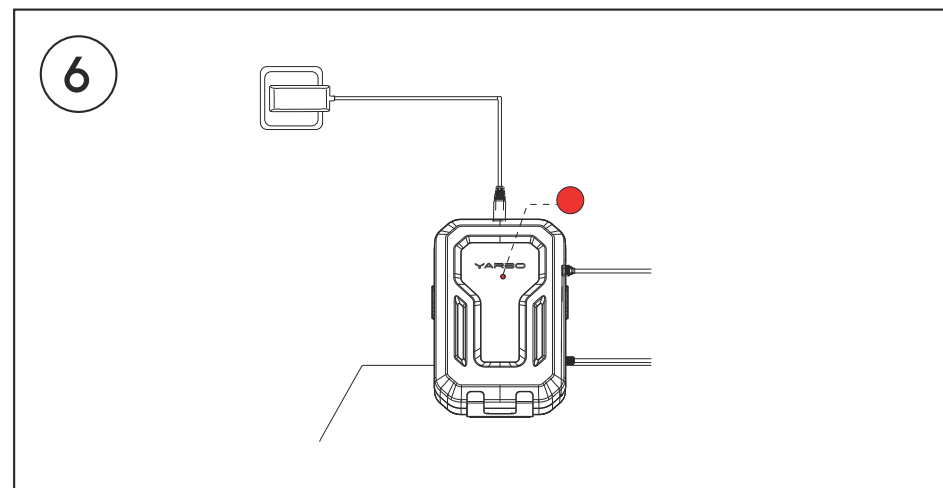
Tighten bolts (Connection Bolts for RTK Set).

Please note that this antenna is intended for outdoor use.

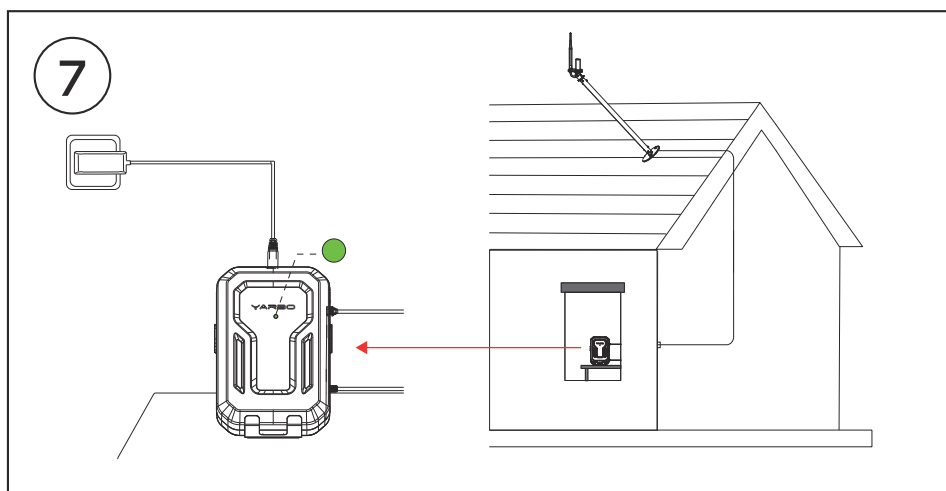
Assembling RTK Set



Place the RTK Base indoors.
Connect the 2 cables from the outdoor antenna to connectors on RTK base.
 Tighten the nut at the end of LoRa Cable.



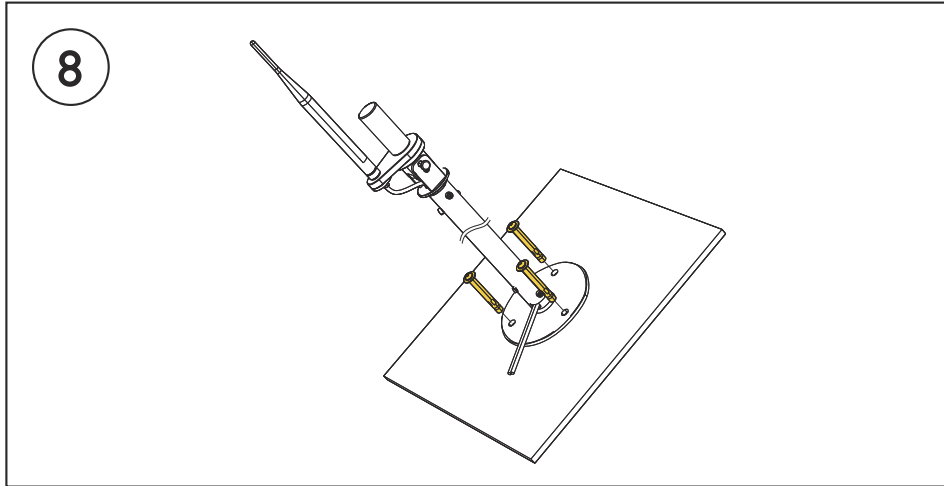
Connect RTK Base to power by using the RTK Base Charger.
 Check if the LED lights up.



Take the assembled outdoor antenna to the roof.
 Please note: always keep the RTK Base indoors.
Check if the LED on RTK Base turns solid green.
 Follow the table on the right for more information.
DO NOT move on to the next step unless the LED shows a solid green.

Observation	Meaning	Action
● Fast flashing red	No RTK Signal	Check cable connection is correct, inspect if antenna is broken.
● Flashing red	Weak RTK Signal	Wait for 5 minutes, to see if the LED turns green. If not, try different RTK antenna locations, ensure 120° view of sky.
● Solid red	No Internet connection	Set up internet in the App.
● Solid green	Internet connected	-

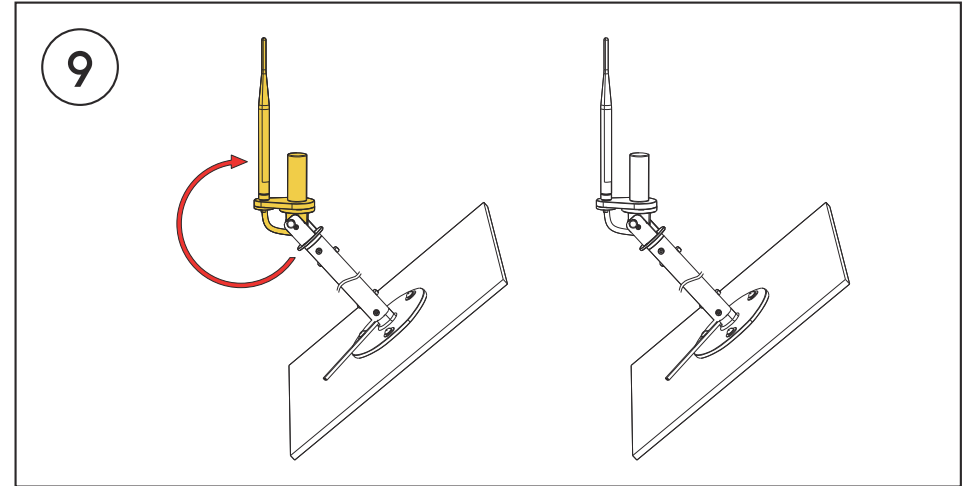
Assembling RTK Set



Attach the mount on the roof by suitable method.

For wood surface, use self-tapping screws (5/16" or 8mm) × 3 to secure the mount in place. Self-tapping screws are not included in the box.

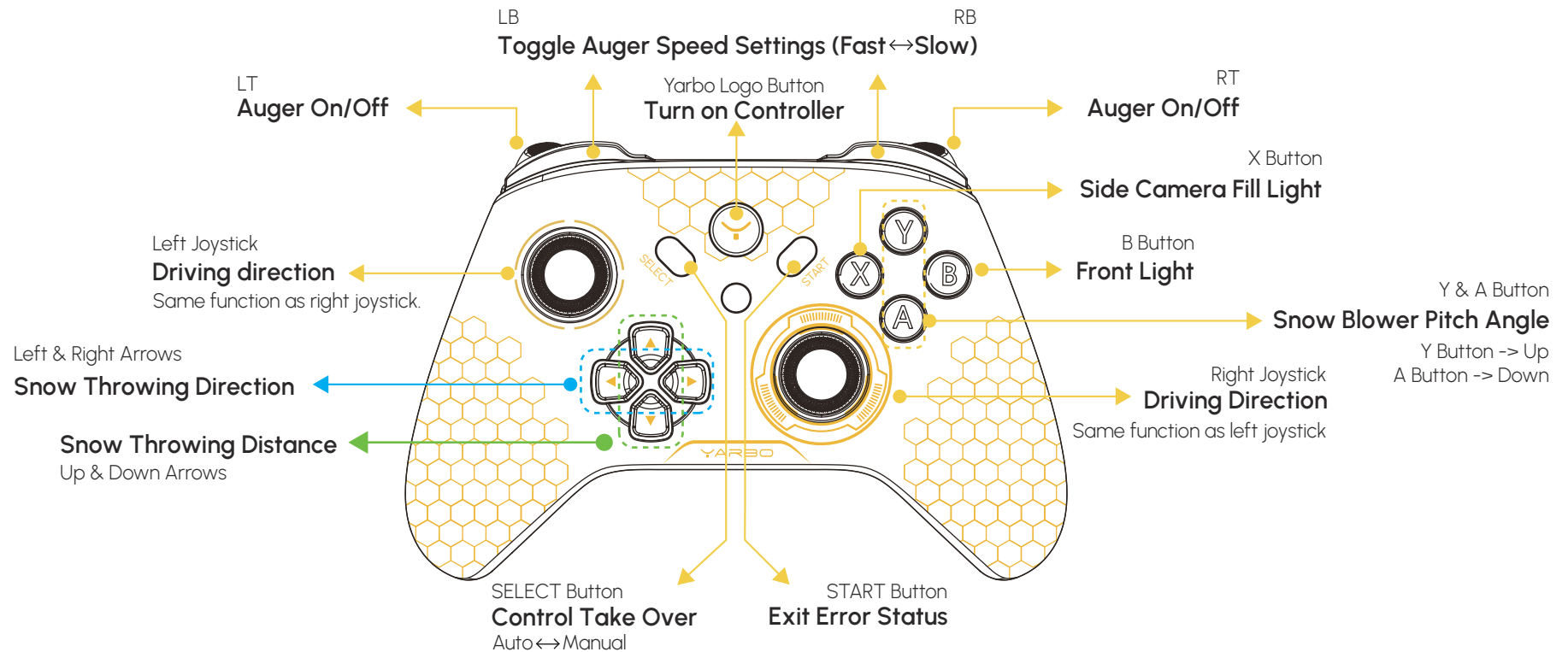
For concrete/brick surface, use expansion bolts.



Make sure RTK antenna points straight up.

Install wall clips for cable management if necessary.

Try the Controller

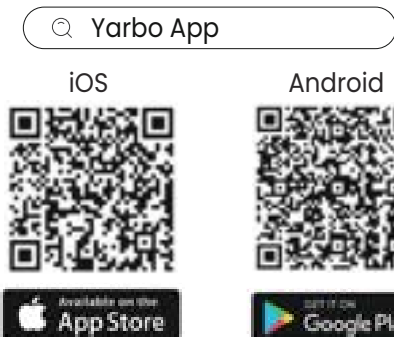


Make sure Yarbo is turned on, follow the instructions below to start controlling Yarbo.

1. Tap the 'Turn On Controller' button, the Yarbo logo starts to blink indicates the pairing process has been initiated.
2. Wait for a while, when the Yarbo logo turns into a solid yellow light, it means the controller has connected to Yarbo successfully. A vibration from the controller also means the connection is successful.
3. Press and hold the 'Control Take Over' button for 3 seconds.
4. Take it slow, and be careful. You can begin with gently pushing the 'Driving Direction' button in an open area.
5. Toggle the moving speed by pressing down the joysticks.
6. You can use the controller to draw the map in the following step.

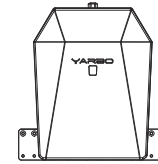
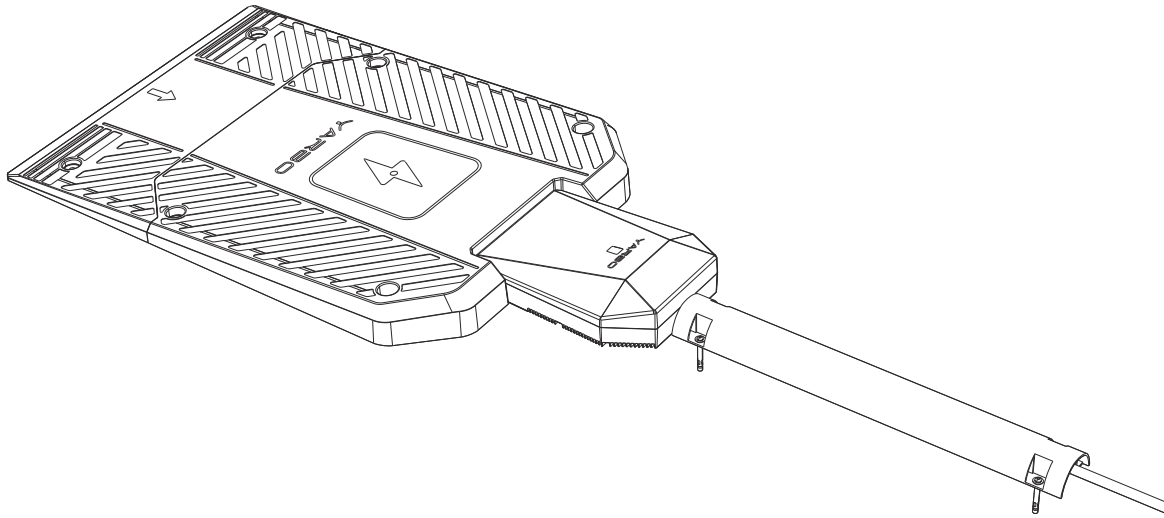
Set up your first plan

After getting familiar with Yarbo's manual control, you can continue the setup following the instructions on the Yarbo App.

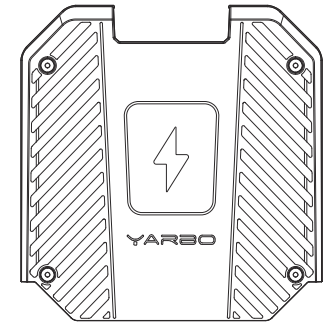


Docking Station

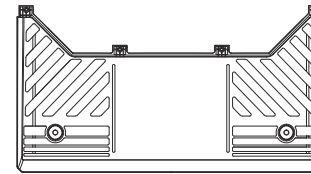
Preparing Necessary Parts and Tools



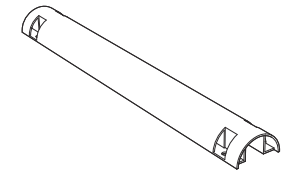
Docking Station Control Unit



Docking Station Charging Unit



Docking Station Slope



Power Station Cable Ramp



33ft

Power Cable for
Docking Station



Allen Key #2



Bolts for Docking
Station

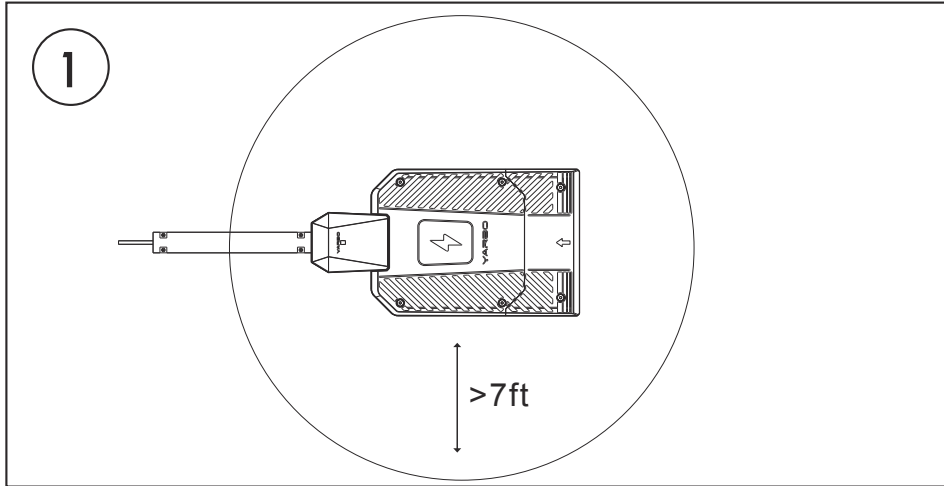


Expansion Bolts for
Docking Station



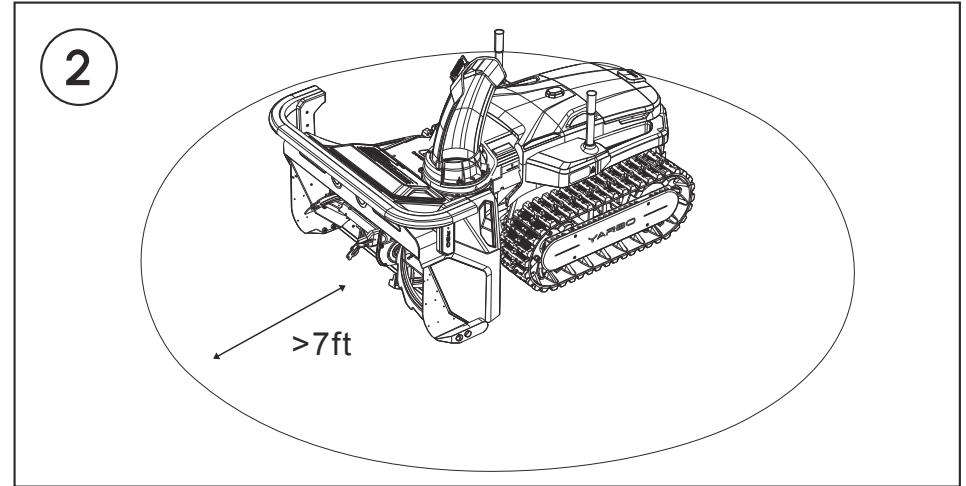
Grass Pegs

Assembling Docking Station



Check the location where you want to install the Docking Station has at least 7 feet free space in every direction.

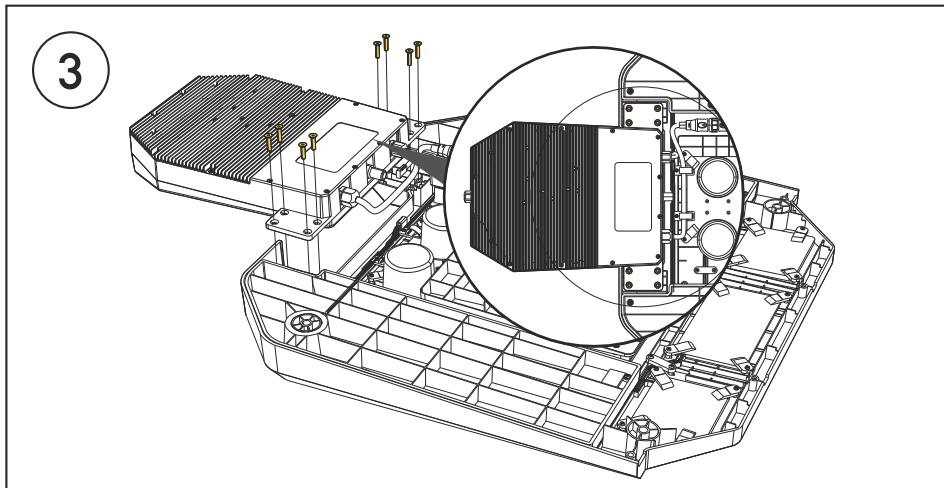
Make sure you have already initialised Yarbo through the Yarbo App before proceeding to next steps.



Drive Yarbo to the desired location for installation.

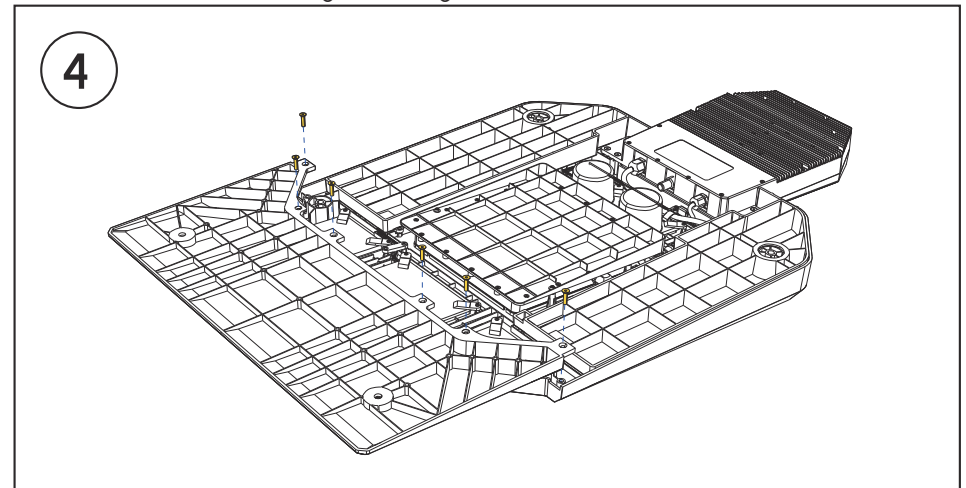
Check GPS and network connection status on Yarbo App when Yarbo reaches the desired location*. If connection status for RTK signal is not displayed as 'Strong', change the installation location.

*Yarbo needs to stay at the desired location for at least 5 minutes to achieve a consistent RTK signal reading.



Place the Docking Station Control Unit and the Charging Unit up-side-down on the ground.

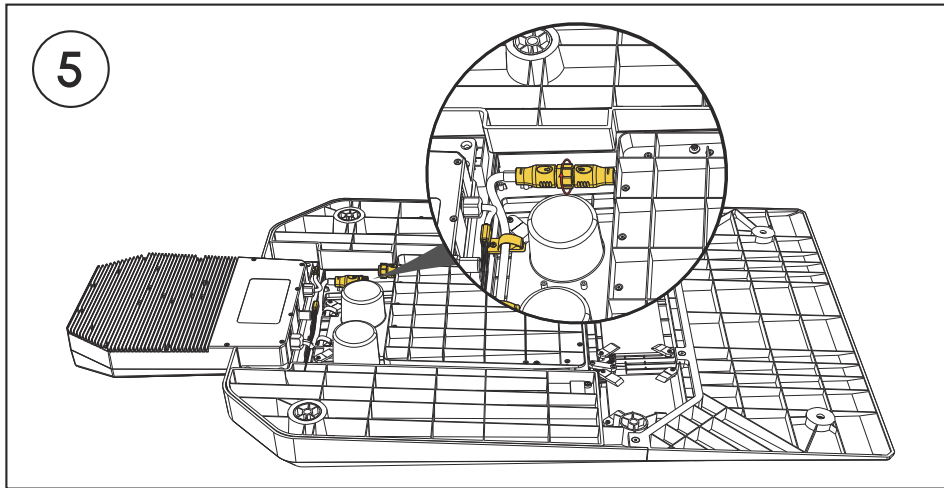
Tighten 8 bolts by Allen Key #2.



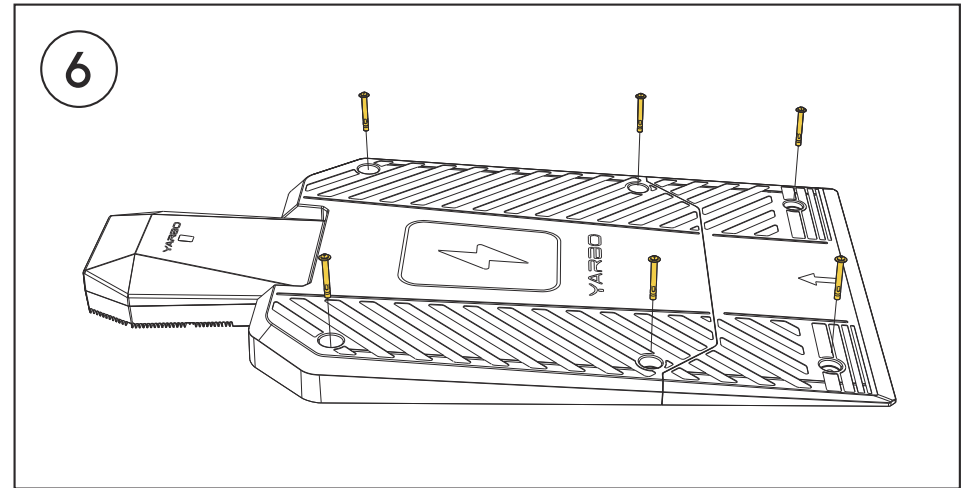
Place the Slope up-side-down on the Charging Unit.

Tighten 6 bolts with Allen Key #2.

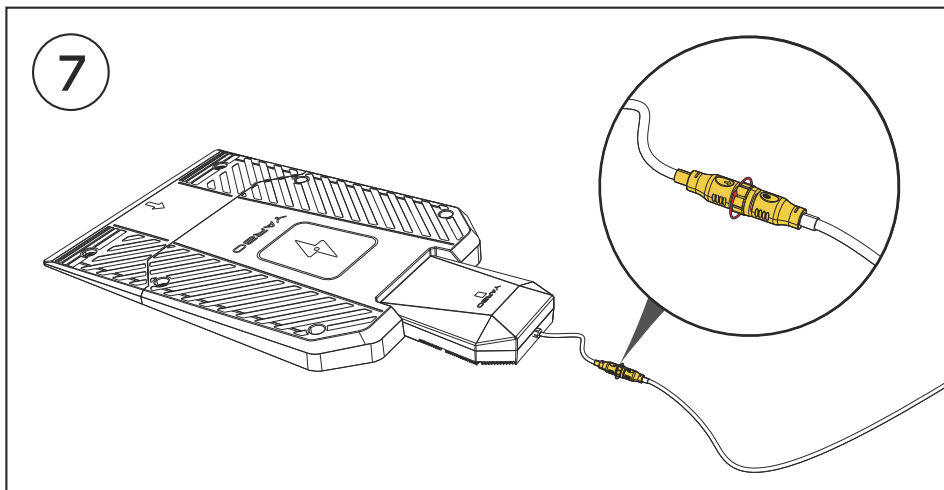
Assembling Docking Station



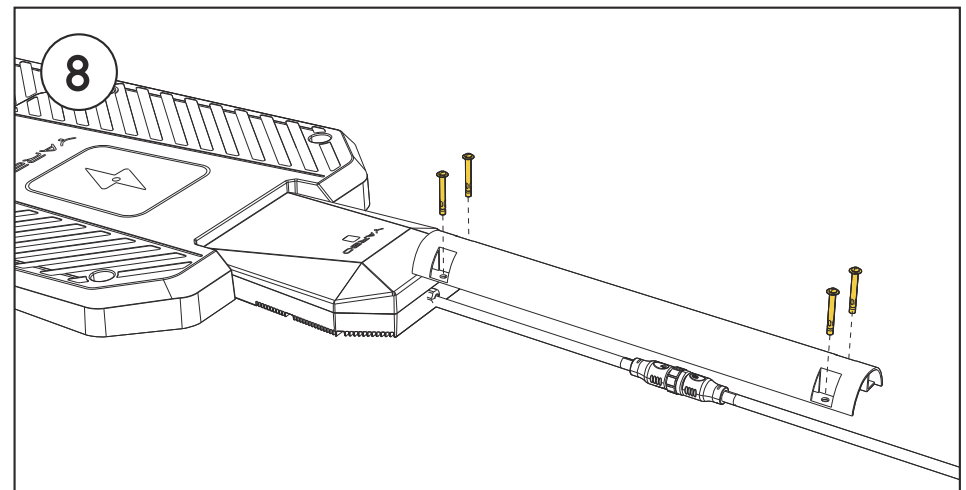
Connect the connectors. The thicker cable requires inserting the connectors in place first, and then secure the connection by rotating the ring in the clockwise direction.
Secure the cables with clips provided.



Place the Docking Station on the desired location.
Secure the Docking Station by suitable methods depending on your yard's surface. For soil/grass surface, use grass pegs. For concrete/brick surface, use expansion bolts. Grass pegs and expansion bolts are provided in the package.



Connect the Power Cable to the Control Unit, by inserting the connectors in place first, and then secure the connection by rotating the ring in the clockwise direction.



Place the Power Station Cable Ramp on the Power Cable.
Secure the Cable Ramp by suitable methods.
DO NOT place cable inside the working area or pathway.

YARBO INC.

www.yarbo.com



 yarbo.com





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 Instagram



 YouTube

 +1 (888)550-6809

 support@yarbo.com

 1951 Ocean Avenue, Unit 3, Ronkonkoma, NY 11779 United States

V1.2.2