

# When the rtk base station is connected to an external power source the battery cannot be removed

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What happens if the D-RTK 2 mobile station is restarted?

If the D-RTK 2 Mobile Station is restarted after input coordinates are successfully set, these coordinates will be used only if the difference between the actual coordinates and the set coordinates is less than 5 m. Otherwise, the actual positioning coordinates will be used.

What is an RTK base station?

An RTK base station is a fixed GNSS receiver placed on a known or unknown point. It used satellite signals to continuously calculate its position. Then it sends real-time correction data to a rover in the field. Thus, your rover can achieve maximum accuracy, up to centimeters. This practice replaces you being off by several metres using GPS alone.

How do I set RTK settings for a handheld mapping device?

In RTK Settings, select the RTK signal source for the handheld mapping device. Make sure that the D-RTK 2 Mobile Station used as a handheld mapping device is connected to another D-RTK 2 Mobile Station used as a base station or a Network RTK server. Set the planning method to handheld RTK for operation planning.

What factors affect RTK performance?

Real-Time Kinematic (RTK) performance can be affected by several factors, including the distance between the base station and the rovers, which should ideally be 6-12 miles or less. Additionally, the power of the transmission and the speed of the link between the base and rover are important considerations.

Follow our detailed guide to correctly set up an RTK base station for accurate surveying. Simplify your workflow with expert tips and best practices.

When installing the holder for the fixed base station, ensure that the adjustable mount of the solar panel is facing 5 to 10 degrees clockwise from due south, and there is no obstruction.

If an external power source is connected before the internal battery is drained, the D-RTK 2 Mobile Station

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will continue to function, otherwise it will shut down.

When using the D-RTK 2 Mobile Station as a stationary base station, use the Power Adapter Cable and AC Power Adapter to connect to the AC power for long-term power supply.

The base station transmitter's power is usually provided by a deep-cycle battery. Even though the attendant power cable is usually equipped with a ...

TK Base Station Charging the RTK Base Station Disconnect al. the antennas and place them inside the case. The RTK Surveyor has a built-in 1200mAh lithium polymer battery that will ...

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To maximize the lifespan of the battery, remove the Intelligent Battery from the D-RTK 2 Mobile Station when not in use. Only use the D-RTK 2 in the corresponding frequency ...

When you use an external power supply, the integrated battery provides a backup power supply, enabling you to maintain continuous operation through a mains power failure.

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The base station transmitter's power is usually provided by a deep-cycle battery. Even though the attendant power cable is usually equipped with a fuse, it is best to be careful to not reverse the ...

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