



Notes:
 • Please be sure to read this manual before using the product.
 • Keep this manual at hand to be used whenever you need.

Thank you for purchasing the lithium ion polymer battery, LT2F3500XH.

In order to get high performance from the product and use it safely, please read this instruction manual thoroughly before use.

Lithium Ion Polymer Battery

LT2F3500XH Instruction Manual

- Copying a part or all of the contents of this manual without prior permission is prohibited.
- The contents of this manual are subject to change without prior notice.
- The contents of this manual should be complete. However, if you find any errors or omissions, please contact us.
- Futaba is not responsible for the results from the use of this product by the customer.

<Applicable Equipment and Battery Charger>

The lithium ion polymer battery, LT2F3500XH, is designed only for use with the T18MZ that requires this battery. Do not use it with any other equipment. When you charge, please be sure to connect LT2F3500XH to T18MZ, and to use the exclusive AC adaptor (attachment to a T18MZ set.) only for our company. The charge circuit is built in T18MZ.

■ Safety Precautions (Please observe safety precautions fully.)

This instruction manual uses a variety of common symbols and icons for proper handling and usage of this product, and for avoiding potential hazards to yourself, the people around you, and your property. The meanings of these symbols and their significance are described below. Please understand them clearly before going on to main items.

Meaning of Markings

For safety, please pay special attention to the items indicated by the following marks.

- ⚠ DANGER** Procedures which may have a high risk of death/serious injury to the user if not carried out properly.
 - ⚠ WARNING** Procedures which may lead to dangerous conditions or cause death or serious injury to the user if not carried out properly, or procedures in which the probability of superficial injury or physical damage is high.
 - ⚠ CAUTION** Procedures in which the possibility of serious injury to the user is small, but there is a danger of injury, or physical damage, if not carried out properly.
- ⊘ : Prohibited ① : Mandatory

⚠ DANGER

If you ignore the following safety precautions, it may cause a fire, ignition, overheating, explosion, the leakage of electrolyte fluid or getting an electric shock.

- ① Be sure to connect with T18MZ and to charge with an exclusive AC adaptor.
- ⊘ Do not short-circuit the battery terminals with a metallic object.
- ⊘ Never expose the battery to water or moisture. Do not charge or use a wet battery.
- ⊘ Never throw the battery into a fire or place it near a fire.
- ⊘ Do not use, charge or store the battery in places where it may be exposed to high temperatures. For example, do not leave it on the dashboard of a car under direct sunlight, and do not place it near heating equipment.
- ⊘ Never solder the battery or attempt to repair, deform, modify or disassemble it.
- ① Keep the battery out of reach of children.
- ① If the electrolyte fluid gets into your eyes, blindness may result from it. Rinse your eyes with clean water without rubbing them, and see a doctor immediately.
- ⊘ Do not load the battery into the battery charger with +/- terminals upside down. If the battery does not fit properly into the battery charger, do not force fit into the charger.

⚠ WARNING

- ⊘ To avoid a fire, overheating, explosion or the leakage of electrolyte fluid, do not give the battery excessive shock, throw it, or damage it.
- ⊘ If you notice any abnormalities such as the leakage of electrolyte fluid, discoloration, deformation, overheating, or giving out a bad odor, remove the battery from the equipment or the battery charger immediately and stop using it. Continuing to use the battery under these conditions could result in a fire, overheating or explosion.
- ⊘ Never put the battery in a microwave oven or high-pressure container. This could cause a fire, the leakage of electrolyte fluid, overheating or explosion.
- ① If the battery leaks or gives out a bad odor, keep it away from heat sources. Leaked electrolyte fluid may catch fire, causing the battery to smoke, burn or explode.
- ① If the fluid leaked from the battery sticks to your skin or clothes, wash it off immediately with clean water, and see a doctor. That may cause skin problems.
- ① If charging does not complete in 3 hours, stop the charging to prevent fire, overheating or explosion. (The standard charging time is 2 hours and 30 minutes)
- ① When you recycle or dispose the battery, use the plastic tape to insulate its terminals. If the battery is short-circuited, it may cause a fire, overheating or explosion. If you want to recycle the battery, please take it to a shop that handles recycled products. If you dispose the battery, please comply with the regulations your city government has set.

⚠ CAUTION

- ⊘ The lithium ion polymer battery, LT2F3500XH, is designed only for use with the T18MZ that requires this battery. Do not use it with any other equipment.
- ⊘ The battery gets hot after using the equipment for many hours. To prevent burns, do not touch the battery immediately after use.
- ⊘ Do not store the battery in places where it may be exposed to moisture, excessive dust or high temperatures.
- ⊘ Do not place the battery on an unstable surface such as a tilted or unsteady table. If the battery falls off, it may be damaged or cause injury.
- ⊘ Do not charge the battery in an environment that is extremely cold or hot. If you use the battery in such an environment, its performance would decrease. Charging the battery in temperatures between 10°C and 30°C is recommended.

■ Precautions for Use

● The battery at the time of purchase:

The battery discharges by itself even if it is not used. When you purchase the battery, please charge it to full capacity before use. Also, whenever the battery has not been used for a long period of time, recharge it before use.

Regarding how to charge it, please refer to the instruction manual of the T18MZ.

● When you connect the battery:

When you connect the battery to the T18MZ, pay attention to the polarity of the connector. Do not pull wiring, when you remove a connector.

● How to care the battery:

Remove stains from the battery by wiping it with a dry and soft cloth. Do not use a wet cloth, alcohol, thinner, benzene or detergent.

● Operating temperatures:

The further the temperature goes down, the more the operating time shortens. When you use the battery at low temperature, it is recommended to have another super-charged battery as a backup.

● Carry and storage:

Do not leave the battery in the battery charger or the equipment when stored. Even when the power switch is off, a small amount of electricity continues to leak out of the battery and may lead to the decrease in battery performance. If you do not use the battery, store it in a cool and dry place with a temperature between 15°C and 25°C.

When you carry or store the battery, prevent the short-circuiting of the +/- terminals. Do not put any metallic objects including personal ornaments in a bag or drawer with the battery. This could cause a fire, overheating, explosion or the leakage of electrolyte fluid.

● Service life:

Battery performance degrades gradually after repeated charging and discharging. If the operating time of the battery decreases significantly, it may be time to replace it with a new one. Battery capacity usually decreases by half after about 300 charge/discharge cycles, depending on the operating conditions.

● Recycling of unneeded batteries:



This is the sign designed to recycle small-size rechargeable batteries. We would very much appreciate it if you could cooperate in recycling rechargeable batteries in order to reuse precious resources effectively.

Batteries can be collected at either stores that belong to "the club of cooperative stores for recycling rechargeable batteries" or supermarkets that provide a recycling box.

For more information, please visit the web site of Battery Association of Japan at <http://www.baj.or.jp/recycle/>.

When you dispose unneeded batteries, please make sure to insulate the +/- terminals with the plastic tape to prevent short-circuiting before putting them into a recycling box.

【Specifications of LT2F3500XH】

*The specifications are subject to change without prior notice due to the technical development.

Type: Rechargeable lithium ion polymer battery

Nominal output voltage: DC 7.4V

Nominal capacity: 3500mAh

Charging/discharging count: Approximately 300 cycles, depending on the operating conditions.

Ambient temperatures:

0°C ~ 45°C for recharging,

-20°C ~ 60°C for operation,

0°C ~ 25°C for storage (3 months or more.)

Dimensions: Approximately 50mm (L) x 143mm (W) x 19.5mm (H)

Weight: Approximately 184g

- This product cannot be repaired because it is designed not to be disassembled for safety reasons.
- If you have questions about this product, please contact our radio control service center.