



# Li-ion Battery LT2F2200 INSTRUCTION MANUAL

*Notes: Always read this manual before using the charger.  
Store this manual where it can be used at any time.*

Thank you for purchasing an LT2F2200 Li-ion battery.

To fully display the performance of the battery and to use the battery safely, please read this instruction manual thoroughly before use.

- Copying of 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, but if you find any errors or omission, please contact us.
- Futaba is not responsible for the results of use of this product by the customer.

### <Applicable Equipment and Charger>

The LT2F2200 Li-ion battery is designed only for use with those R/C transmitters for which it is specified. Do not use it with any other equipment. Always use an LBC-1D5 Li-ion battery charger to charge the battery.

### Safety Precautions

This instruction manual uses a variety of common symbols and icons to assist you in proper handling and usage of this product properly, and to warn you of potential hazards to yourself and others as well as to properly. These symbols and their significance are described below.

#### Meaning of Special Markings

Pay special attention to safety where indicated by the following marks:

- ⚠ DANGER** Procedures which may lead to dangerous conditions and cause death/serious injury if not carried out properly.
  - ⚠ WARNING** Procedures which may lead to a dangerous condition or cause death or serious injury to the user if not carried out properly, or procedures where the probability of superficial injury or physical damage is high.
  - ⚠ CAUTION** Procedures where 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

- ① Always use the specified Li-ion battery charger (LBC-1D5) to charge the battery.
- ⊘ Do not short-circuit the battery terminals with a metallic object.
- ⊘ Never expose the battery to water or moisture including rain, seawater and animal urine. Do not charge or use a wet battery.
- ⊘ Never throw the battery into a fire or put it near a fire.
- ⊘ Do not use, charge or store the battery where it may be exposed to high temperatures. For example, do not leave it on the dashboard of a car under direct sunlight or 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 battery fluid gets in your eyes, blindness may result. Rinse your eyes with clean water without rubbing them and see a doctor immediately.
- ⊘ Do not load the battery into the charger with the +/- terminals upside down. If the battery does not fit properly into the battery charger, do not force fit the battery. Doing so could cause a fire, overheating, explosion, fluid leak or other damage.

#### ⚠ WARNING

- ⊘ To avoid fire, overheating, explosion or leakage, do not subject the battery to excessive shock, throw it, or otherwise damage it.
- ① If you notice any abnormalities such as leakage, discoloration, deformation, overheating, or odor, remove the battery from the transmitter or battery charger immediately and stop using the equipment. Continuing to use the battery under these conditions could result in fire, overheating or explosion.
- ⊘ Never put the battery in a microwave oven or high-pressure container. This could cause a fire, leakage, overheating, or an explosion.
- ① If the battery leaks or emits a burning odor, keep it away from heat sources. Leaked fluid may catch fire, causing the battery to smoke, burn, or explode.
- ① If fluid from inside the battery sticks to your skin or clothes, it may cause injury. Wash it off immediately with clean water and see a doctor.
- ① If charging does not complete over 180 minutes, stop charging to prevent fire, overheating or explosion. (Standard charge time: 150 minutes)
- ① When recycling or disposing of the battery, use plastic tape to insulate all terminals. Otherwise, the batteries could be short-circuited and cause a fire, overheating or explosion.

#### ⚠ CAUTION

- ⊘ The LT2F2200 Li-ion battery is designed only for use with those R/C transmitters for which it is specified. Do not use it with any other equipment.
- ⊘ The battery gets hot after extended use in a transmitter. To prevent burns, do not remove the battery from the transmitter immediately after use.
- ⊘ Do not store the battery 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 extremely cold or hot environment. Charging the battery in temperatures between 10°C and 30°C (50°F and 86°F) is recommended. Using the battery in low temperatures may result in a decrease in battery performance.

### Operating Precautions

#### At time of purchase:

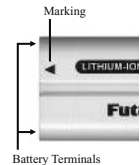
The battery is not charged at the factory. Charge it before use. Also, whenever the battery has not been used for a long period, recharge it before use.

For information on charging the battery, refer to the LBC-1D5 Li-ion battery charger's instruction manual.

#### Handling:

Do not touch the battery terminals directly.

Check that the battery terminals are clean before use. If they are dirty, contact failure may cause problems with charging or shorten the battery's operation time after charging.



#### Care:

Clean the battery by wiping it with a soft, dry cloth. Never use a wet cloth, alcohol, lacquer thinner, benzene or detergent.

#### Operating temperatures:

Using the battery in low temperatures may result in a decrease in battery performance. When the temperature is low, it is recommended to carry a spare charged battery.

#### Transport and storage:

Do not leave the battery in the battery charger or transmitter. Even when the power switch is set to off, a small amount of current continues to flow and may lead to a decrease in battery performance. When not using the battery, store it in a cool, dry place with a temperature between 15°C and 25°C (59°F and 77°F).

When transporting or storing the battery, prevent 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 leakage.

#### Service life:

Battery performance degrades gradually after repeated charging and discharging.

When operation time has decreased significantly, you may need to replace the battery. Battery capacity is usually reduced by half after about 300 charge/discharge cycles (though this varies depending on the operating conditions).

#### Charging status indicator:

When you remove a battery from the charger, the charging status indicator on the bottom of the battery will slide and indicate a green mark, which means that the battery has been charged. Once you use the battery, the green mark slides back and goes out of sight.



#### LT2F2200 Ratings:

Type: Rechargeable lithium ion battery.  
Nominal output voltage: 7.4V  
Nominal capacity: 2200mAh  
Charging/discharging count : Approx. 300 cycles.  
(Variable depending on the operating conditions.)  
Ambient temperatures:  
0°C to 40°C (32°F to 104°F) for recharging,  
-10°C to 60°C (14°F to 140°F) for operation,  
-20°C to 30°C (-4°F to 86°F) for storage.  
Dimensions: Approx. 38 (W) x 70 (D) x 20 (H) mm  
Weight: Approx. 103g  
(Specifications and ratings are subject to change without notice accompanying technical developments.)