

# Tinytag Radio Data Logger Service Kit Instructions

Instructions on how to service Tinytag radio data loggers and receivers.

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data collection & retrieval » temperature » humidity » shock » vibration » count » voltage » current

Gemini Data Loggers (UK) Ltd.  
Scientific House, Terminus Road, Chichester, West Sussex, PO19 8UJ, England  
t: +44(0)1243 813000 f: +44(0)1243 531948 e: sales@tinytag.info www.tinytag.info

**Gemini**  
DATA LOGGERS



## WARNINGS

- This kit is for use with Tinytag radio data loggers only
- Radio data loggers and receivers do not use the same type of battery. Ensure you are using the correct service kit and battery type for your unit.
- Do not short circuit batteries. Do not dispose of batteries in fire. Do not attempt to recharge non-rechargeable batteries. Observe all warnings on the batteries supplied.

## SER-9580 Radio Logger Service Kit

For use with logger models:

TGC-0007, TGRF-0021, TGRF-0022, TGRF-0023, TGRF-0024, TGRF-2500

1. Unplug any probes connected to the unit.
2. Open the case by undoing the four bolts, starting on opposite diagonals.
3. Remove the two batteries in the upper half of the unit.
4. Observing the correct polarity - as shown on the unit's circuit board - and ensuring that the battery contacts are clean, fit the two new batteries.

**Warning:** Batteries must be replaced in pairs for the unit to operate correctly. Do not mix old and new batteries.

5. Replace the two desiccant packs in the base of the unit.
6. Clean the unit's seal, and the corresponding mating surface, using a damp, non-abrasive cloth.
7. Re-fit the lid, tightening the bolts starting on opposite diagonals.
8. To start the unit transmitting again, reconnect any probes that were previously attached. Please be aware that it will take time for the unit to show up on the radio network once again (for further information, please see Tinytag Explorer's Radio Help).

## SER-9585 Radio Receiver Service Kit

For use with logger models:

ACSRF-0020

1. Unplug the USB receiver cable from the unit.
2. Open the case by undoing the four bolts, starting on opposite diagonals.
3. Remove the two batteries in the upper half of the unit.
4. Observing the correct polarity - as shown on the unit's circuit board - and ensuring that the battery contacts are clean, fit the two new batteries.

**Warning:** For receivers with a serial number below SN 8000502, if the supplied batteries are not fully charged when they are fitted, it may take up to two weeks for the unit to be charged to a point where it can provide normal cover in the event of a power failure. Batteries supplied in service kits are fully charged when shipped.

**Warning:** Batteries must be replaced in pairs for the unit to operate correctly. Do not mix old and new batteries.

5. Replace the two desiccant packs in the base of the unit.
6. Clean the unit's seal, and the corresponding mating surface, using a damp, non-abrasive cloth
7. Re-fit the lid, tightening the bolts starting on opposite diagonals.
8. To start the unit working again, reconnect the USB receiver cable to the unit. Please be aware that it will take time for the radio network to re-establish itself after a battery change (for further information, please see Tinytag Explorer's Radio Help).

## Approvals

Gemini Data Loggers (UK) Ltd. operates a Quality Management System which conforms to ISO 9001. The scope of the system covers the manufacture, design and supply of data loggers and their associated software, accessories and services.



## Disposal

- Data loggers, accessories and batteries should be disposed of at organised facilities, where available, in line with local regulations.
- In accordance with the WEEE directive Gemini Data Loggers (UK) Ltd. will take back and dispose of any equipment purchased directly. Equipment not purchased directly should be returned to the point of sale for disposal.



## Further Information

If you should have any questions whilst servicing your data logger, please contact your supplier, or Gemini technical support at:

e:help@tinytag.info

t: +44(0)1243 813009