



SERVICE BULLETIN - OPTIONAL

Part No.: MTR138-000GNW

Description: Mission Transceiver Remote w/Guard	
Service Manual: N/A	Service Bulletin No.: MTR138-000GNW-603-0001
ECO No.: ECO1234	Subject: MOD 1 Rev 1.20 Firmware

Prepared By:	Checked By:	Approved By:
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1. Planning Information

1.1. Applicability

This service bulletin is applicable to all MTR138-000GNW units that do not have **MOD 1** incorporated.

Part Number	Unit Serial Number	Authorized Software Upgrade
MTR138-000GNW	119138+	MOD 1 installed at factory.
MTR138-000GNW	100078 - 119137	Optional factory only upgrade.

1.2. Reason

Customer request to hardcode guard 1 and guard 2 channel data into the firmware and update the ICD with a command to edit the active guard channel data.

See Section 5 for a comprehensive list of version differences.

1.3. Description

This modification replaces the MTR138-000GNW Rev 1.10 firmware with Rev 1.20 firmware.

The MTR138-000GNW modification status will be incremented to MOD 1.

1.4. Compliance

Optional: This service bulletin may be incorporated at the operator's discretion.

- A. Modification can only be accomplished at the factory.
- B. If the modification is desired, please contact support@aem-corp.com. AEM will respond with instructions, shipping information, and lead time on the modification. **Please do not ship** units until a Return Material Authorization (RMA) number and shipping information has been received.

1.5. Approval

No change to existing approval.



1.6. Costing

The modification will incorporate the revised MTR138-000GNW firmware.

1.6.1. Parts and Labour

This upgrade must be performed at the factory. Shipping cost to and from the factory and the associated labour for installation are **not** subject to warranty consideration and will incur a fee to be paid for by the customer.

One (1.0) hour estimated. Includes required test time.

1.7. Special Equipment Required

None

1.8. Weight and Balance

Not affected.

1.9. Electrical Load Data

Not affected.

1.10. References

None.

1.11. Other Publications Affected

Installation and Operation Manual (MTR138-IOMTR138-000GNW) has been revised to reflect Rev 1.20 firmware.

2. Procedure Instructions

Factory-only repair/modification. Modification and testing procedures are not applicable.

The modification status tag will be updated with a permanent marking to indicate **MOD 1** has been incorporated.

3. Material Information

No materials required.

4. Reference Documents

Interface Control Data (ICD): MTR138-000GNW-631-0 has been revised to reflect Rev 1.20 firmware.



5. Version Differences

This section details the differences between firmware Rev 1.10 and Rev 1.20. Each change references an issue code in the form of *GRD-xxxx* used for internal issue tracking.

5.1. New

Guard 1 and Guard 2 Hardcoded into Firmware

Guard channel data is now incorporated into the firmware and are unaffected by the power up re-programming sequence.

GRD-463

Addition of 'g' command to ICD

This command functions similar to the 'c' command and allows channel data to be set for the active guard channel.

GRD-464, GRD-471

5.2. Changed

Power-Up Reprogram with 0 channels

Bug fix. Reprogram with 0 channels no longer causes the unit to assert.

GRD-455

End of Service Bulletin
