



THE UNITED KINGDOM VEHICLE APPROVAL AUTHORITY

COMMUNICATION CONCERNING APPROVAL EXTENDED OF A TYPE OF SUB-ASSEMBLY WITH  
REGARD TO REGULATION NO. 10.05



Approval No: E11\*10R05/01\*9759\*03

1. Make (trade name of manufacturer): Brigade Electronics Group PLC
2. Type and general commercial description(s): Mobile Digital Recorder System 8 Channels
3. Means of identification of type, if marked on the component: Mobile Digital Recorder System 8 Channels MDR-508GW-1000 / MDR-508XX-XXXX(XXX) which consists of: 1x MDR-508-DS / MDR-508-DS(XXX); 1 x MDR-508GW-EXP/ MDR-508XX-EXP-XX(XXX); 1 x MDR-500-1000-MCU /MDR-500-XXXX-MCUXXXXXXXXX(XXX); 1 x SD-32GB-IND /SD-64GB-IND / SD-XXGB-IND(XXX); 1 x MDR-PWR-01 /MDR-PWR-XX(XXX); 1 x MDR-IO-01 / MDR-IO-XX(XXX); 1x MDR-ANT-GPS-02 / MDR-ANT-GPS-XX(XXX); 1 x MDRANT-MOB-01 / MDR-ANT-MOB-XX(XXX); 1 x MDR-ANTWIFI-01 / MDR-ANT-WIFI-XX(XXX); 1 x MDR-MOUSE-01 /MDR-MOUSE-XX(XXX); 1 x MDR-USB-B-02 / MDR-USB-BXX(XXX). Optional Accessories: 1 x MDR-FPB-02 / MDR-FPB-XX(XXX); 1 x MDR-04RPC / MDR-XXRPC(XXX); 1 x MDR-RP-02 /MDR-RP-XX(XXX); 1 x MDR-400-GS01 / MDR-400-GSXX(XXX) / MDR-GS-02 / MDR-GS-XX(XXX); 1 x MDR-03GSC / MDR-XXGSC(XXX) / MDR-02GSC-02 / MDR-02GSC-XX(XXX)(Where the "X" can represent any character for any associated variant. Bespoke models can have reduced electronic component population and cabling, software changes, customised settings or differing equipment connections)
  - 3.1. Location of that marking: Adhesive Labelling on the main assembly underneath the removeable storage unit
4. Category of vehicle: All categories of vehicle

## 5. Name and address of manufacturer:

Brigade Electronics Group PLC  
Brigade House  
The Mills Trading Estate  
Station Road  
South Darenth  
Kent  
DA4 9BD  
United Kingdom

## 6. In the case of components and separate technical units, location and method of affixing of the approval mark: Adhesive Labelling on the main assembly underneath the removeable storage unit

## 7. Address(es) of assembly plant(s):

Room 101, Building 20  
Li Bauhinia Intelligent Manufacturing Centre  
No. 105, Qingbin East Road  
Qingxi Town  
Dongguan City  
Guangdong Province  
People's Republic of China

## 8. Additional information (where applicable): See Appendix below

## 9. Technical Service responsible for carrying out the tests: Vehicle Certification Agency

## 10. Date of test report: As before and 10 June 2024

## 11. No. of test report: As before and CSC630311

## 12. Remarks (if any): See Appendix below

## 13. Place: BRISTOL

## 14. Date: 09 JULY 2024

15. Signature:



C McCABE  
Chief Technical and Statutory Operations Officer

16. The index to the information package lodged with the Approval Authority, which may be obtained on request, is attached.

17. Reasons for extension:

- 1) To modify the description for assembly plant (Item 6)
- 2) Change the SATA switch from "ASM1456" to "PI2DBS6212"

**Appendix**

to type-approval communication form No. E11\*10R05/01\*9759\*03

concerning the type-approval of an electrical/electronic sub-assembly under Regulation No. 10.05

1. Additional information:
  - 1.1. Electrical system rated voltage: 12/24 V. neg ground
  - 1.2. This ESA can be used on any vehicle type with the following restrictions: Not applicable
    - 1.2.1. Installation conditions, if any:
  - 1.3. This ESA can be used only on the following vehicle types: Not applicable
    - 1.3.1. Installation conditions, if any:
  - 1.4. The specific test method(s) used and the frequency ranges covered to determine immunity were: (Please specify precise method used from Annex 9):  
  
400-2000MHz: Absorber chamber test according to ISO 11452-2  
20-400MHz: Bulk current injection testing according to ISO 11452-4
  - 1.5. Laboratory accredited to ISO 17025 and recognized by the Approval Authority responsible for carrying out the tests: Shanghai Inspection and Testing Institute of Instruments and Automation Systems Co., Ltd.
2. Remarks: None

## Approval History

Extension No.	Reason for extension	Job Number	Application date
00	Initial Approval	CSS386550	March 7, 2017
01	PCB related component changes and change in model numbers	CSW500348	July 17, 2020
02	Change of assembly plant address	CSY555200	January 28, 2022
03	<p>1. To modify the description for assembly plant (Item 6)</p> <p>2. Change the SATA switch from "ASM1456" to "PI2DBS6212"</p>	CSC630311	June 12, 2024