



THE UNITED KINGDOM VEHICLE APPROVAL AUTHORITY

COMMUNICATION CONCERNING THE APPROVAL GRANTED<sup>(1)</sup>/ APPROVAL EXTENDED<sup>(1)</sup>/  
~~APPROVAL REFUSED<sup>(1)</sup>/ APPROVAL WITHDRAWN<sup>(1)</sup>/ PRODUCTION DEFINITELY  
DISCONTINUED<sup>(1)</sup>~~ OF A TYPE OF ELECTRICAL/ ELECTRONIC SUB-ASSEMBLY<sup>(1)</sup> WITH  
REGARD TO REGULATION NO. 10.05



Approval No: 10R-059758

Extension No: 02

1. Make (trade name of manufacturer): Brigade Electronics Group PLC
2. Type and general commercial description(s): Mobile Digital Recorder System 4 Channels
3. Means of identification of type, if marked on the ~~vehicle/component/ separate technical unit~~:<sup>(1)</sup>

MDR-504GW-500 / MDR-504XX-XXXX(XXX) which consists of:

1x MDR-504GW-DS / MDR-504XX-DS-XX(XXX); 1 x MDR-500-500-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); 1 x MDR-ANT-GPS-02 / MDR-ANT-GPS-XX(XXX); 1 x MDR-ANT-MOB-01 / MDR-ANT-MOB-XX(XXX); 1 x MDR-ANT-WIFI-01 / MDR-ANT-WIFI-XX(XXX); 1 x MDR-MOUSE-01 / MDR-MOUSE-XX(XXX); 1 x MDR-USB-B-02 / MDR-USB-B-XX(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

CSW500349



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):  
5th-6th Floor West  
Chuangxiang 2nd Building  
Yanxiang Technology Park  
11# High-tech West Road  
Guangming District  
Shenzhen  
Guangdong Province  
People's Republic of China
8. Additional information (where applicable): See appendix
9. Technical Service responsible for carrying out the tests: Vehicle Certification Agency
10. Date of test report: As before (23 March 2018) and 08 September 2020
11. No. of test report: As before (CST422347) and CSW500349
12. Remarks (if any): Approval to supplement 1
13. Place: BRISTOL
14. Date: 09 OCTOBER 2020
15. Signature:   
D LAWLOR  
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: To cover:
- 1) PCB related component changes and change in model numbers
  - 2) Change the manufacturer's trade name and address
  - 3) Correction to supplement level

(1) Strike out what does not apply.

## Appendix

to type-approval communication form No. 10R-059758 Extension 02

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

1. Additional information:
    - 1.1. Electrical system rated voltage: 12-24V pos/neg ground <sup>(1)</sup>
    - 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 MHz to 2 GHz: Absorber chamber test according ISO 11452-2;  
20 MHz to 400 MHz: Bulk current injection testing according 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
- (1) Strike out what does not apply.

Approval History

EXTENSION No.	REASON FOR EXTENSION	JOB NUMBER	APPLICATION DATE
00(Base approval)	FIRST APPLICATION	CSS386549	07 March 2017
01	To cover addition of Circuit Diagram	CST422347	10 February 2018
02	1) PCB related component changes and change in model numbers 2) Change the manufacturer's trade name and address	CSW500348	17 July 2020