



THE UNITED KINGDOM VEHICLE APPROVAL AUTHORITY

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




Approval No: E11*10R05/01*9758*03

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 component:
Mobile Digital Recorder System 4 Channels MDR-504GW-500 / MDR-504XX-XXXX(XXX) which consists of: 1x MDR-504GW-DS / MDR-504XX-DS-XX(XXX); 1 x MDR500-500-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-GPSXX(XXX); 1 x MDR-ANT-MOB-01 / MDR-ANT-MOBXX(XXX); 1 x MDR-ANT-WIFI-01 / MDR-ANT-WIFIXX(XXX); 1 x MDR-MOUSE-01 / MDR-MOUSE-XX(XXX); 1x 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 MDR03GSC / MDR-XXGSC(XXX) / MDR-02GSC-02 / MDR02GSC-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, No.20 Building
Leaguer Zijing Intelligent Manufacture Center
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 (08 September 2020) and 30 March 2022
11. No. of test report: As before (CSW500349) and CSY555199
12. Remarks (if any): See Appendix below
13. Place: BRISTOL
14. Date: 28 JULY 2022
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: New address of assembly plant

Appendix

To type-approval communication form No. E11*10R05/01*9758*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):
400MHz-2GHz: Absorber chamber test according ISO 11452-2
20MHz-400MHz: 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

Approval history

Extension No	Reason for extension	Job number	Application date
00	Initial Approval	CSS386549	07 March 2017
01	Addition of circuit diagram	CST422347	10 February 2018
02	<ol style="list-style-type: none"> 1. PCB related component changes and change in model numbers 2. Change the manufacturer's trade name and address. 	CSW500348	17 July 2020
03	Change to a new address of assembly plant.	CSY555199	10 March 2022