



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*10650*01

1. Make (trade name of manufacturer): Brigade Electronics Group PLC
2. Type and general commercial description(s): QVS Quiet Vehicle Sounder (AVAS)
3. Means of identification of type, if marked on the component: QVS-ECU-01, QVS-ECU-01 (XXX), QVS-SPK-01, QVS-SPK-01 (XXX), QVS-SPK-XX, QVS-SPK-XX(XXX), QVS-001-75, QVS-001-75 (XXX), QVS-001-XX (XXX) (Where the "xxx" can represent any character for any associated variant, bespoke models can have software changes or customised settings).
 - 3.1. Location of that marking: Adhesive label applied on the bottom of the product housing.
4. Category of vehicle: Not applicable
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: On the adhesive label applied on the housing of the product as stated in item 3.1.

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

Swatlands
Lucks Lane
Paddock Wood
Tonbridge
Kent
TN12 6QL
United Kingdom

8. Additional information (where applicable): See Appendix

9. Technical Service responsible for carrying out the tests: SGS UK Ltd

10. Date of test report: As before and technical letter 22 March 2022

11. No. of test report: As before and technical letter AUT301484/1

12. Remarks (if any): None

13. Place: BRISTOL

14. Date: 13 MAY 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:

- 1) Change of assembly plant address
- 2) Addition of model number (speaker)
- 3) Revised technical information pack

Appendix

to type-approval communication form No. E11*10R05/01*10650*01
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
 - 1.2. This ESA can be used on any vehicle type with the following restrictions: 12/24 VDC negative ground.
 - 1.2.1. Installation conditions, if any:
See installation instructions with product.
 - 1.3. This ESA can be used only on the following vehicle types: Not applicable
 - 1.3.1. Installation conditions, if any:
Not applicable
 - 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):
20 to 200MHz (BCI at 60 m-Amps), 200 to 2000MHz (Free field at 30 V/m).
 - 1.5. Laboratory accredited to ISO 17025 and recognized by the Approval Authority responsible for carrying out the tests: SGS UK Ltd., Durham, United Kingdom.
2. Remarks: None