

Wireless Telegraphy Act 2006

**PROGRAMME MAKING AND SPECIAL EVENTS
UK WIRELESS MICROPHONE LICENCE (UHF)**

| | |
|--------------------|---|
| Licence number | 7/0091257 |
| Licensee | Entertainment Sound Specialists |
| Licensee Address | Unit 2 Maun Close MANSFIELD Notts. NG18 5GY |
| Date of issue | 01 Feb 2020 |
| Licence Start Date | 14 Feb 2020 |
| Licence End Date | 13 Feb 2022 |
| Call Sign | ' ESS ' |

1. This Licence is issued by the Office of Communications (“Ofcom”) on **01 Feb 2020** and replaces any previous authority granted in respect of the service subject to this Licence by Ofcom or by the Secretary of State.
2. This Licence authorises **Entertainment Sound Specialists** (“the Licensee”) to establish, install and use radio transmitting and receiving stations and/or radio apparatus as described in the schedule(s) (hereinafter together called “the Radio Equipment”) subject to the terms and geographic restrictions set out below and subject to the terms of the Ofcom General Licence Conditions booklet (PMSE version 8 February 2007) available from Ofcom.
3. This Licence shall continue in force until **13 Feb 2022**, unless earlier revoked by Ofcom or surrendered by the Licensee and subject to the restrictions set out in Table 1 to Table 5 of Schedule 2.

**PROGRAMME MAKING AND SPECIAL EVENTS
UK WIRELESS MICROPHONE LICENCE**

SCHEDULE 1 TO LICENCE NUMBER 7/0091257

DESCRIPTION OF RADIO EQUIPMENT COVERED BY THIS LICENCE

This schedule forms part of Licence **7/0091257**, issued to **Entertainment Sound Specialists**, the Licensee, on **01 Feb 2020** and describes the Radio Equipment covered by the Licence and the purpose for which the Radio Equipment may be used.

1. (a) The Radio Equipment may only be used:

- (1) on such frequencies ("the Licensed Frequency"), shown in column 1 of Schedule 2 to the Licence in relation to the particular Radio Equipment;
- (2) at a bandwidth (if any) not exceeding that specified in column 2 of Schedule 2 in relation to the Licensed Frequency;
- (3) at a power not exceeding that specified in column 3 of Schedule 2 in relation to the Licensed Frequency;
- (4) with the emission characteristics (if any) described in column 4 of Schedule 2 in relation to the Licensed Frequency;
- (5) in accordance with the restrictions contained in column 5 of Schedule 2 in relation to the Licensed Frequency and, where airborne operation is permitted, at a height above ground level not greater than specified in that column;
- (6) with the signalling (if any) described in column 6 of Schedule 2 in relation to the Licensed Frequency;
- (7) at the location(s) or within the area(s) shown and in accordance with the restrictions contained in column 7 of Schedule 2 in relation to the Licensed Frequency.

(b) The Radio Equipment may not be used to transmit from any aircraft (for the avoidance of doubt, this includes any helicopter, model aircraft or helicopter, or any other airborne object, whether powered or not and whether captive or not), except where specified in column 5 of Schedule 2 in relation to the Licensed Frequency, and such power, subject to such restrictions noted.

2. Technical Performance Requirements

The Radio Equipment shall at all times be installed, maintained and used in such a way that its use does not cause any undue interference with any authorised wireless telegraphy.

3. Purpose of Use

The Licensee shall use the Radio Equipment only:

- (a) for Programme Making; or
- (b) to enable those directly engaged in Programme Making to communicate with each other; or
- (c) to transmit the material produced in Programme Making to a receiving station of the Licensee; or to any receiving station owned and operated by a public telecommunications operator; or to a holder of a Programme Making and Special Events Licence issued under section 8 of the Wireless Telegraphy Act 2006; or to any other person approved by Ofcom; or
- (d) to send or receive verbal or non-verbal test messages in connection with sub-clauses (a), (b) or (c) above.

4. Users of the Radio Equipment

The Licensee must ensure that the Radio Equipment is only used by persons who have been authorised in writing by the Licensee to do so and that such persons are made aware of, and comply with, the terms of this Licence, provided that

- (a) use of the Radio Equipment by such other persons is necessary for the purposes described in clause 3 above; and
- (b) such persons either –
 - (1) remain under the control or direction of the Licensee whilst operating the Radio Equipment, or –
 - (2) being customers of the Licensee who have occasionally hired the Radio Equipment, have been issued by the Licensee with a written permit which authorises use of the Radio Equipment subject to the terms, provisions and limitations in this Licence.

5. Call Sign

Use of the Radio Equipment must whenever practicable be preceded and terminated by the following call sign: ' ESS '

6. Facilities

The use of the following methods of voice privacy are permitted without specific authorisation, provided that no undue interference is caused to other authorised radio users:

- (i) frequency inversion;
- (ii) band inversion;
- (iii) band scrambling; and
- (iv) rolling code inversion.

7. Conformity Assessment Requirements

The Radio Equipment covered by this licence shall be subject to and comply with the appropriate Interface Requirement IR2038 ("IR") or, for equipment placed on the market before 8 April 2000, is required to be type approved in accordance with the appropriate published technical performance standards authorised at the date of installation of the Radio Equipment, subject to any modifications authorised by Ofcom.

8. Interpretation

In this Licence:

- (a) the expression "Programme Making" includes the making of a programme for broadcast, the making of a film, presentation, advertisement or audio or video tape, and the staging or performance of an entertainment, sporting or other public event;
- (b) the expression "Wireless Microphone" includes Low Power Audio Links including Radio Equipment intended for reception by a body-worn receiver;
- (c) the expression "occasionally hired" means a single period of use not exceeding 60 days and aggregate use during the period of this Licence not exceeding 90 days;
- (d) "IR" means the United Kingdom Radio Interface Requirement published by Ofcom in accordance with Article 4.1 of directive 1999/5/EC of the European Parliament and of the Council on the radio equipment and telecommunications terminal equipment (RTTE) and mutual recognition of their conformity. The Directive (O.J.No.L91) was implemented in the UK by the Radio Equipment and Telecommunications Terminal Equipment Regulations (S.I. 2000/730).

WIRELESS TELEGRAPHY ACT 2006
UK WIRELESS MICROPHONE LICENCE
SCHEDULE 2 TO THE LICENCE

Licensee:
Entertainment Sound Specialists
Unit 2 Maun Close
MANSFIELD
Notts. NG18 5GY

Technical conditions applicable to wireless audio PMSE in the band 606.5 – 613.5 MHz

Table 1

| Licence No: 7/0091257 Licence Start Date: 14 Feb 2020 Licence End Date: 13 Feb 2022 | | | | | | | Total fees: £135.00 |
|---|---|------------|---------------|-------------------|-------------------------------------|------------|---|
| Date of issue: 01 Feb 2020 | | | | | | | |
| Column: | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| | Licensed Frequencies | Band width | Max Power ERP | Class of Emission | Internal External Airborne @ ft.agl | Signalling | Licensed Area and other Restrictions |
| | 606.500 - 613.500 MHz ("Channel 38") | 200k0 | 10 mW | | Internal External | | <p>United Kingdom.</p> <p>Any frequency within (and including) the specified centre-frequency limits may be used. These frequencies are SHARED with other licensed users WITHOUT PRIORITY.</p> <p>Maximum power may be increased to 50 mW for body-worn equipment only.</p> |

Technical conditions applicable to wireless audio PMSE in the band 823 – 832 MHz

Table 2

| Licence No: 7/0091257 Licence Start Date: 14 Feb 2020 Licence End Date: 13 Feb 2022 Date of issue: 01 Feb 2020 | | | | | | | Total fees: £135.00 |
|---|----------------------|------------|----------------|-------------------|-------------------------------------|------------|--|
| Column: | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| | Licensed Frequencies | Band width | Max Power EIRP | Class of Emission | Internal External Airborne @ ft.agl | Signalling | Licensed Area and other Restrictions |
| | 823 - 826 MHz | | 13 dBm | | Internal External | | <p align="center">United Kingdom. Any frequency within (and including) the specified centre-frequency limits may be used. These frequencies are SHARED with other licensed users WITHOUT PRIORITY. 20 dBm restricted to body worn equipment. Out of block emissions apply – see Table 5</p> |
| | 826 – 832 MHz | | 20 dBm | | Internal External | | <p align="center">United Kingdom. Any frequency within (and including) the specified centre-frequency limits may be used. These frequencies are SHARED with other licensed users WITHOUT PRIORITY. Out of block emissions apply – see Table 5</p> |

Technical conditions applicable to wireless audio PMSE in the band 1785 – 1805 MHz for handheld equipment

Table 3

| Licence No: 7/0091257 Licence Start Date: 14 Feb 2020 Licence End Date: 13 Feb 2022 | | | | | | | Total fees: £135.00 |
|---|----------------------|------------|----------------|-------------------|-------------------------------------|------------|---|
| Date of issue: 01 Feb 2020 | | | | | | | |
| Column: | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| | Licensed Frequencies | Band width | Max Power EIRP | Class of Emission | Internal External Airborne @ ft.agl | Signalling | Licensed Area and other Restrictions |
| | 1785 – 1785.2 MHz | 200 kHz | 4 dBm | | Internal External | | <p align="center">Not available in Northern Ireland Any frequency within (and including) the specified centre-frequency limits may be used. These frequencies are SHARED with other licensed users WITHOUT PRIORITY.</p> <p align="center">Out of block emissions apply – see Table 5</p> |
| | 1785.2 – 1803.6 MHz | | 13 dBm | | Internal External | | <p align="center">Not available in Northern Ireland 1800-1805 MHz not available within 10 km of Oakhanger,(SU 776 357), Colerne (ST 808 717) and Menwith Hill (SE 210 560) Any frequency within (and including) the specified centre-frequency limits may be used. These frequencies are SHARED with other licensed users WITHOUT PRIORITY.</p> <p align="center">Out of block emissions apply – see Table 5</p> |
| | 1803.6 – 1804.8 MHz | 200 kHz | 10 dBm | | Internal External | | <p align="center">Not available in Northern Ireland 1800-1805 MHz not available within 10 km of Oakhanger,(SU 776 357), Colerne (ST 808 717) and Menwith Hill (SE 210 560) Any frequency within (and including) the specified centre-frequency limits may be used. These frequencies are SHARED with other licensed users WITHOUT PRIORITY.</p> <p align="center">For channel bandwidths greater than 200 kHz a limit of 13 dBm/channel (EIRP) applies</p> <p align="center">Out of block emissions apply – see Table 5</p> |

| Licence No: 7/0091257 Licence Start Date: 14 Feb 2020 Licence End Date: 13 Feb 2022 Date of issue: 01 Feb 2020 | | | | | | | Total fees: £135.00 |
|---|----------------------|------------|----------------|-------------------|-------------------------------------|------------|--|
| Column: | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| | Licensed Frequencies | Band width | Max Power EIRP | Class of Emission | Internal External Airborne @ ft.agl | Signalling | Licensed Area and other Restrictions |
| | 1804.8 – 1805 MHz | 200 kHz | -14 dBm | | Internal External | | <p>Not available in Northern Ireland 1800-1805 MHz not available within 10 km of Oakhanger,(SU 776 357), Colerne (ST 808 717) and Menwith Hill (SE 210 560) Any frequency within (and including) the specified centre-frequency limits may be used. These frequencies are SHARED with other licensed users WITHOUT PRIORITY.</p> <p>Out of block emissions apply – see Table 5</p> |

Technical conditions applicable to wireless audio PMSE in the band 1785 – 1805 MHz (for body-worn equipment)

Table 4

| Licence No: 7/0091257 Licence Start Date: 14 Feb 2020 Licence End Date: 13 Feb 2022 Date of issue: 01 Feb 2020 | | | | | | | Total fees: £135.00 |
|---|----------------------|------------|----------------|-------------------|-------------------------------------|------------|--|
| Column: | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| | Licensed Frequencies | Band width | Max Power EIRP | Class of Emission | Internal External Airborne @ ft.agl | Signalling | Licensed Area and other Restrictions |
| | 1785 – 1804.8 MHz | | 17 dBm | | Internal External | | <p>Not available in Northern Ireland 1800-1805 MHz not available within 10 km of Oakhanger,(SU 776 357), Colerne (ST 808 717) and Menwith Hill (SE 210 560) Any frequency within (and including) the specified centre-frequency limits may be used. These frequencies are SHARED with other licensed users WITHOUT PRIORITY.</p> <p>Out of block emissions apply – see Table 5</p> |

Licence No: 7/0091257 Licence Start Date: 14 Feb 2020 Licence End Date: 13 Feb 2022
 Date of issue: 01 Feb 2020

Total fees: £135.00

| Column: | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
|---------|----------------------|------------|----------------|-------------------|-------------------------------------|------------|---|
| | Licensed Frequencies | Band width | Max Power EIRP | Class of Emission | Internal External Airborne @ ft.agl | Signalling | Licensed Area and other Restrictions |
| | 1804.8 - 1805 MHz | 200 kHz | 0 dBm | | Internal External | | Not available in Northern Ireland 1800-1805 MHz not available within 10 km of Oakhanger, (SU 776 357), Colerne (ST 808 717) and Menwith Hill (SE 210 560) Any frequency within (and including) the specified centre-frequency limits may be used. These frequencies are SHARED with other licensed users WITHOUT PRIORITY. Out of block emissions apply – see Table 5 |

Permissible Out of Block Emissions

Table 5

| Permissible out of block limits | |
|--|--|
| Frequency band 823 – 832 MHz | Out-of-block equivalent isotropically radiated power (ERP) |
| <821 MHz | -43 dBm/(5 MHz) |
| >832 MHz | -25 dBm/(5 MHz) |
| Frequency band 1785 – 1805 MHz for handheld devices | |
| < 1785 MHz | -17 dBm/(200 kHz) |
| >1805 MHz | -37 dBm/(200 kHz) |
| Frequency band 1785 – 1805 MHz for body-worn devices | |
| < 1785 MHz | -17 dBm/(200 kHz) |
| >1805 MHz | -23 dBm/(200 kHz) |

** ENDS **



WIRELESS TELEGRAPHY

GENERAL LICENCE CONDITIONS BOOKLET

Ofcom PMSE Version

8 February 2007

Introduction

Each Wireless Telegraphy licence, issued by the Office of Communications ("Ofcom")¹ under section 8 of the Wireless Telegraphy Act 2006 ("the Act"), authorises the licensee to establish and use stations or install or use apparatus for wireless telegraphy, subject to the terms, provisions and limitations of that licence.

The terms contained in this General Licence Conditions Booklet (the "Booklet") are incorporated into and form part of the terms, provisions and limitations of each wireless telegraphy licence to which this Booklet applies. (Each such wireless telegraphy licence is referred to as "the Licence").

General Licence Conditions

Condition 1 - Licence Term, Variation and Revocation

- 1.1 The Licence shall continue in force until the date specified in the licence, unless earlier revoked by Ofcom or surrendered by the Licensee.
- 1.2 Pursuant to schedule 1 paragraph 8 of the Act Ofcom may not revoke this Licence under schedule 1 paragraph 6 except:
 - (a) at the request of, or with the consent of, the Licensee;
 - (b) if there has been a breach of any of the conditions of the Licence;
 - (c) in accordance with schedule 1 paragraph 8(5) of the Act;
 - (d) if it appears to Ofcom to be necessary or expedient to revoke the Licence for the purposes of complying with a direction by the Secretary of State given to Ofcom under section 5 of the Act ; or
 - (e) for reasons related to the management of the radio spectrum.
- 1.3 Where Ofcom exercise their power to revoke or vary the Licence in accordance with schedule 1 paragraph 6 of the Act, the Licensee shall be notified in writing or by a general notice. Any general notices will be posted on the Ofcom website².

¹ "Ofcom" is the abbreviated name for the Office of Communications established by the Office of Communications Act 2002 to whom powers under the Act and previous Acts to issue and regulate licences have been transferred by the Communications Act 2003. The powers were conferred on 28th December 2003.

² www.ofcom.org.uk

Condition 2 - Changes

- 2.1 The Licence may not be transferred.
- 2.2 The Licensee must give immediate notice to Ofcom in writing of any change to the Licensee's name and address from that recorded on the Licence.

Condition 3 - Licence Fee

- 3.1 The Licensee shall pay to Ofcom the relevant sums as provided in section 12 of the Act and the regulations made thereunder:
 - i) on or before the date of issue of the Licence; and
 - ii) on or before the payment date shown on the Licence for subsequent payments or such other date or dates as shall be notified in writing to the Licensee,in accordance with those regulations and any relevant terms, provisions and limitations of the Licence.

Condition 4 - Radio Equipment Use

- 4.1 The Licensee must ensure that the Radio Equipment relevant to each Licence is constructed, established, installed and used only in accordance with the provisions specified in the individual Licence schedules. Any proposal to amend any detail specified in those schedules must be agreed with Ofcom in advance and implemented only after that Licence has been varied or reissued accordingly.
- 4.2 The Licensee must ensure that the Radio Equipment is used only by persons who have been authorised by the Licensee to do so, and that such persons are made aware of, and of the requirement to comply with, the terms of the Licence.

Condition 5 - Access and Inspection

- 5.1 The Licensee shall permit any person authorised by Ofcom:
 - i) to have access to the Radio Equipment; and
 - ii) to inspect the Licence and Radio Equipment,at any and all reasonable times or, when in the opinion of that person an urgent situation exists, at any time to ensure that the Radio Equipment is being used in accordance with the terms of the Licence.

Condition 6 - Modification, Restriction and Closedown

6.1 A person authorised by Ofcom may require the Radio Equipment, or any part thereof, to be modified or restricted in use, or temporarily or permanently closed down immediately if in the opinion of the person authorised by Ofcom:

- i) a breach of the Licence has occurred; and/or
- ii) the use of the Radio Equipment is causing or contributing to Undue Interference to the authorised use of other radio equipment.

6.2 Ofcom may require the Radio Equipment to be modified or restricted in use, or temporarily closed down either immediately or on the expiry of such period as may be specified in the event of a national or local state of emergency being declared. Ofcom may only exercise this power after a written notice is served on the Licensee or a general notice applicable to holders of a named class of Licence is published.

Condition 7 - Interpretation

7.1 In this Booklet and in the Licence:

- i) the establishment, installation and use of the Radio Equipment shall be interpreted as establishment and use of stations and installation and use of apparatus for wireless telegraphy as specified in section 8 of the Act;
- ii) "Undue Interference" shall have the meaning given by Section 115 of the Act; and
- iii) "inspect" includes examine and test.

7.2 In this Booklet "Radio Equipment" means the radio equipment specified in the Licence.

7.3 Any schedule to the Licence shall form part of the Licence together with any subsequent schedule which Ofcom may issue as a variation to the Licence.

7.4 The Interpretation Act 1978 shall apply to the Licence as it applies to an Act of Parliament.

Issued by Ofcom

HIRING OUT OR LOANING YOUR LICENSED WIRELESS MICROPHONES - GUIDE TO THE USE OF THE "PERMIT TO USE" FORM

You may hire out or loan wireless microphones for limited periods on the frequencies stated on your current UK Wireless Microphone licence. The users will be covered under the terms and conditions of your current UK Wireless Microphone licence provided that written authority (a "Permit to Use") from you accompanies the wireless microphones.

This model form consists of two pages. Page 1 differs between VHF and UHF wireless microphone frequencies and you should ensure that the correct version is used (examine the top line of the title for "VHF" or "UHF").

You should complete the "Supplier's Details" section on page 1 with your address and licence details.

For each hiring or loan you should –

- (a) complete the "User's Details" and the "Operational Details" on page 1. You should keep a file copy of the completed page 1 and issue a copy of both pages to the user (we recommend that you copy page 2, Conditions of Use, onto the back of page 1 for the user); and
- (b) draw the user's attention to the Conditions of Use on page 2 and the operational restrictions under "Operational Details" on page 1.

Please contact us if you have any questions about licensing your wireless microphones.

Ofcom PMSE
Riverside House
2a Southwark Bridge Road
London
SE1 9HA

Phone: 020 7981 3803
E-mail: pmse@ofcom.org.uk
Web site: www.ofcom.org.uk/pmse

PERMIT TO USE UHF WIRELESS MICROPHONES LICENSED UNDER THE WIRELESS TELEGRAPHY ACT 2006

- The completed permit (pages 1 & 2) should be issued to the user who must be able to produce it at all times.
- A copy of each issued permit should be kept by the supplier of the equipment (the licensee).

SUPPLIER'S (LICENSEE'S) DETAILS

| | |
|---|--|
| Name Entertainment Sound Specialists | Licence Number 7/0091257 Licence Start Date 14 Feb 2020 Licence End Date 13 Feb 2022 |
| Address Unit 2 Maun Close MANSFIELD Notts. NG18 5GY | |
| Telephone 01623 647291 | |
| Contact name | |

USER'S DETAILS

| | |
|--------------|--|
| Name | PLEASE SEE OVERLEAF & BELOW FOR CONDITIONS OF USE |
| Address | |
| Postcode | |
| Telephone | |
| Contact name | |

OPERATIONAL DETAILS

| Location at which equipment can be used | Period of Use | From | |
|---|--|---|--|
| | | To | |
| The frequencies below are the only frequencies which may be used under the terms of this permit. These frequencies are available throughout the United Kingdom and are SHARED with other licensed users WITHOUT PRIORITY. | | | |
| Frequency Band | Power limits (see note 4) | Comments | |
| 606.500 – 613.500 MHz | 10 mW ERP handheld or 50 mW ERP body worn | | |
| 823 – 826 MHz | 13 dBm EIRP handheld or 20 dBm EIRP body worn | | |
| 826 – 832 MHz | 20 dBm EIRP | | |
| 1785 – 1785.2 MHz | 4 dBm/200 kHz EIRP | For hand held equipment Not available in Northern Ireland 1800-1805 MHz not available within 10 km of Oakhanger,(SU776357), Colerne (ST808717) and Menwith Hill (SE210560) | |
| 1785.2 – 1803.6 MHz | 13 dBm EIRP | | |
| 1803.6 – 1804.8 MHz | 10 dBm/200 kHz or 13 dBm/channel EIRP | | |
| 1804.8 – 1805 MHz | -14 dBm/200 kHz EIRP | | |
| 1785 – 1804.8 MHz | 17 dBm | For body worn equipment Not available in Northern Ireland 1800-1805 MHz not available within 10 km of Oakhanger,(SU776357), Colerne (ST808717) and Menwith Hill (SE210560) | |
| 1804.8 - 1805 MHz | 0 dBm | | |

**PERMIT TO USE WIRELESS MICROPHONES
LICENSED UNDER THE WIRELESS TELEGRAPHY ACT 2006**

The holder of a UK Wireless Microphone Licence may issue free permits to others to use hired or loaned equipment on the channels on that licence. The user is subject to the licence conditions, which are summarised below, and the operational restrictions, which are shown on page 1 of this permit.

SUMMARISED CONDITIONS OF USE -

1. The user shall ensure that the equipment is operated by authorised persons only and that they are aware of these conditions. Unauthorised persons, where possible, should be prevented from obtaining access to the equipment.
2. The equipment must only be operated on the frequencies shown on page 1 of this permit.
3. The equipment must only be operated at the exact location shown on page 1 of this permit.
4. The equipment must not be operated at a power exceeding the power limits defined in the Table for handheld equipment or body worn equipment.
(A body worn wireless microphone is a device which is intended to be worn next to or strapped closely to the user's body.)
5. The user shall permit any person authorised by the Office of Communications ("Ofcom") to have access to the equipment at any time when it is in use, and at any other reasonable time, for the purpose of its inspection and testing.
6. Use of the equipment shall be suspended forthwith at any time on the demand of a person acting under the authority of Ofcom, or restricted forthwith in the manner specified by such person.
7. Breach of these conditions may result in seizure of the equipment by a person acting under the authority of Ofcom.
8. All licences and services are authorised on the condition that their use does not cause any undue interference to other authorised uses. Ofcom reserves the right to terminate any licence or service that causes undue interference.
9. To qualify as a wireless microphone, equipment must comply with the appropriate Interface Requirement IR2038 (published by Ofcom) or, for equipment placed on the market before 8 April 2000, must conform to the standards MPT 1350 (UK) or I-ETS 300 422 (ETSI).
10. These frequencies are licensed only for the transmission of programme material and not for data transmission.