



FREQUENCY FACT SHEET

Licensing

If you are intending to use a wireless microphone system in the UK, you will need to understand whether it is license free - Channel 70 or whether you require a UK Wireless Microphone License – Channel 38. PMSE's (Programme-making and special events licenses) are required by law if being used at a performance or event when using a Channel 38 system.

You can apply for an annual or bi-annual license via OFCOM's PSME department or online. For license costs and further information on what Channel suits your requirements visit their website below:

www.ofcom.org.uk

<https://www.ofcom.org.uk/manage-your-licence/radiocommunication-licences/pmse>

There are different fees and guidelines for fixed site locations using co-ordinated frequencies more information can also be found at:

<https://www.ofcom.org.uk/manage-your-licence/radiocommunication-licences/pmse/pmse-technical-info/mics-monitors>

Understanding Frequencies







Channel 70 863-865MHz is the license free option that can be used for up to 4 channels.

Channel 38 606-614Mhz is the licensed frequency which now includes Channel 65

Channel 39 – 614-790MHZ provides limited frequencies in certain locations and does require a license.

Channel 61-69 790-862MHZ have been restricted frequencies since 2013 and, if used, can lead to a fine or imprisonment. (except Channel 65)

CHANNEL	21	22	23	24	25	26	27	28	29	30
FREQ RANGE	470-478 MHz	478-486 MHz	486-494 MHz	494-502 MHz	502-510 MHz	510-518 MHz	518-526 MHz	526-534 MHz	534-542 MHz	542-550 MHz
CHANNEL	31	32	33	34	35	36	37	38	39	40
FREQ RANGE	550-558 MHz	558-566 MHz	566-574 MHz	574-582 MHz	582-590 MHz	590-598 MHz	598-606 MHz	606-614 MHz	614-622 MHz	622-630 MHz
CHANNEL	41	42	43	44	45	46	47	48	49	50
FREQ RANGE	630-638 MHz	638-646 MHz	646-654 MHz	654-662 MHz	662-670 MHz	670-678 MHz	678-686 MHz	686-694 MHz	694-702 MHz	702-710 MHz
CHANNEL	51	52	53	54	55	56	57	58	59	60
FREQ RANGE	710-718 MHz	718-726 MHz	726-734 MHz	734-742 MHz	742-750 MHz	750-758 MHz	758-766 MHz	766-774 MHz	774-782 MHz	782-790 MHz
CHANNEL	65	70								
FREQ RANGE	822-830 MHz	863-865 MHz								

-  Channels 21-30 - PMSE is interleaved with TV transmissions throughout UK
-  Channels 31-37 (600 MHz band) Ofcom has announced that new services will be launched in these channels but that PMSE will continue to have access.
-  Channels 38 - PMSE access to Channel 38 between 606.5 MHz and 613.5 MHz remains
-  Channels 39-60 - PMSE is interleaved with TV transmissions throughout the UK
-  Channels 65 - PMSE has released 822-830 MHz to be included as part of the Channel 38 licence
-  Channel 70 - PMSE access remains unchanged. 863-865 MHz is still available as licensed exempt spectrum

TOA/Trantec Wireless Systems

Within our product range we have wireless systems that are either Channel 38 (G Band) or Channel 70 (D Band) or both, so it is important to understand the difference. Channel 70 only allows up to 4 channel use. For example, the Trantec S4.10 Series can be supplied in both Channel 70 and Channel 38, but you can only have a maximum of 4 channels on Channel 70. Therefore, if purchasing a rack 'n' ready in this system, if you wish to use Channel 70, the maximum system you could have is a 4 way. Channel 38 allows for a greater number of simultaneous channels to be used. Each of our product ranges offer different amounts of channel to suit the size of the application it is intended for.

Our product codes reflect which frequency the series can be used with. You can identify this as follows:

Product Codes that have a D in the last three digits, for example S4.10-RXA-EB-G**D**4, are Channel 70. Products that have a G is in the last three digits, for example S4.10-RXA-EB-G**G**4, are Channel 38.



TOA 5000 Series: 4 Channels License Free on Channel 70
Up to 16 Channels on Channel 38
TOA D-5000 Series: Up to 32 Channels on Channel 38



S2.4 Series: Up to 16 Channels on ISM 2.4GHz digital audio frequency
(Up to 4 simultaneously)
S4.04 Series: 4 Channels License Free on Channel 70
S4.10 Series: 4 Channels License Free on Channel 70
Up to 10 Channels on Channel 38
S5.5 Series: Up to 24 Channels on Channel 38

If you need further information, please contact our technical team on 01372 389799 or email technical@toa.co.uk