
Small-scale radio multiplex licence

Application form – Part A (public)

Name of applicant (i.e. the body corporate that will hold the licence):

Nottingham DAB Ltd

Multiplex licence area being applied for (note this must be a small-scale multiplex area *currently being advertised by Ofcom*):

Nottingham



APPLICATION FORM:

Publication date: 28 January 2022

2. Extent of proposed coverage area

- 2.1 Please provide a summary, fully consistent with the more detailed information about transmission sites supplied separately in Part B, of the coverage area proposed to be achieved by your technical plan. This should include a description of the target area you are seeking to serve within the advertised licence area, and also any areas you are aiming to serve outside the advertised licence area for this small-scale radio multiplex service. (You may refer to your coverage prediction in the response you provide):

Nottingham is the county town of Nottinghamshire. It is the largest urban area in the East Midlands and the second-largest in the Midlands.

Nottingham is situated on an area of low hills along the lower valley of the River Trent, and is surrounded by the Sherwood Forest in the north, the Nottinghamshire, Derbyshire and Yorkshire Coalfield in the west, and the Trent and Belvoir Vales in the east and south.

Nottingham is bounded by a green belt area, provisionally drawn up from the 1950s. Completely encircling the city, it extends for several miles into the surrounding districts, as well as towards Derby.

Our proposition for ensuring the best coverage for Nottingham is founded on three principles:

1. Delivery of a reliable, consistent and high-quality DAB service to as much of the indoor population of the Nottingham polygon as possible;
2. Working to the original DCMS/Ofcom objective to make DAB affordable for community radio, small independent commercial stations and start-up services.
3. Achieving the above within a sustainable, long-term business plan.

We have identified multiple sites and prepared numerous coverage predictions to arrive at the best two sites with optimum coverage using low power. This enables us to offer near universal 63dB coverage inside the polygon area as well as curtailing any overlap to suburban and rural areas that look to Nottingham as their destination for work, studying and shopping.

The 54dB provides good mobile coverage for visitors to Nottingham and use of an omni directional antenna on low power and a secondary directional antenna minimises the 38dB signal overspill into protected polygons.

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2.2 Please provide summary details of the sites required to achieve this coverage by completing the table below (add additional rows as required):

Site name	NGR	Antenna height (m agl)	Antenna type & bearing	New/existing antenna	ERP (W)
Colwick Wood	SK 59757 39866	45m	Omni	New	25W
Kimberley	SK 50533 43294	24m	3-ele Yagi, 110deg - 60w ERP	New	60W

2.3 Please provide a coverage prediction map for the whole transmitter network you are proposing to build within 18 months if you are awarded a licence. The map should show the 63 dB μ V/m field strength and the advertised small-scale DAB licence area contour. [Small-scale DAB licence areas in GIS format](#) are available on the Ofcom website.

A full coverage prediction map for the whole of the Nottingham DAB transmitter network is included in the Appendix G. It shows the 63 dB μ V/m field strength (as well as the 54 dB μ V/m and 38dB μ V/m contours).

The ward-level population tables (2011 Census) indicate that at 63 dB μ V/m field strength;

- the number of people falling outside the Nottingham polygon does not exceed 30% of the total population within the advertised licence area; and
- the proposed coverage does not overlap more than 40% of the population within the relevant local radio multiplex service's licensed area.

The transmitter network has been designed to minimise any significant interference above 38 dB μ V/m to other proposed small-scale DAB licence areas.

2.4 Please provide the following details of the prediction software used for your coverage assessments:

Provide the name and version of the prediction tool used.	ATDI HTZ Communications v22 6.9 x64
Detail the terrain model used by the software and its resolution.	DTM: Ordnance Survey terrain data – 50 metre resolution (DSM+DTM)
Detail the ground cover (clutter) data used by the software and its resolution.	Infoterra clutter data to 50m resolution
What propagation algorithm has been used?	Model pre-set – Fresnel <ul style="list-style-type: none"> • Diffraction geometry – Deygout 94-2 • Subpath attenuation – coarse integration • FZ fraction 0.8 • Earth radius (sea and land) - 8,500km
Where multiple sites are proposed, describe what methodology has been used to assess the network (SFN) gain	Power sum
If these predictions have not used Ofcom-provided population data, state what population data has been used and its source.	Ofcom-provided population data has been used along with that from the 2011 Census which is included within ATDI’s modelling software
Have your predictions been generated by a commercial organisation? If so, by whom?	Coverage predictions have been generated by Viamux using HTZ Communications software from ADTI.

3. Ability to establish the proposed service

Applicant's details

3.1 Name of applicant (i.e. the body corporate that will hold the licence):

Nottingham DAB Ltd

3.2 Company registration number stated on Companies House (if applicable):

13804660

3.3 For UK registered companies, the address of the applicant's registered office stated on Companies House. For non-UK registered companies, the principal office address:

512-514 Berridge Road, Nottingham, England, NG7 5JU

3.4 If a UK registered company, is the **current** Memorandum and Articles of Association document available on the Companies House website?

Yes

Ownership and control of company which will hold the licence

Details of officers

3.5 Please complete the following table, expanding it if necessary, to provide the following details for each director or designated member of the applicant (i.e. the body corporate that will hold the licence):

Full name of individual	Correspondence address	Country of residence	Other officerships held (and nature of the business)	Other employment
Radio Fiza Ltd (Radio Faza)	116b, Leslie Road, Nottingham, England, NG7 6PR	UK	None	None
Karimia Ltd (Radio Dawn)	512-514, Berridge Road, Nottingham, England, NG7 5JU	UK	None	None
Niocast Digital Ltd	20 Crewe Road, Sandbach, England, CW11 4NE	UK	Corporate Director: Edinburgh DAB Ltd; Cardiff DAB Ltd; (Small-scale DAB multiplex licensees) Liverpool DAB Ltd; Preston DAB Ltd; Warrington, Widnes & Runcorn DAB Ltd; Stoke & Newcastle DAB Ltd; (Small-scale DAB multiplex applicants)	None
Chris Hurst	512-514 Berridge Road, Nottingham, England, NG7 5JU	UK	Director: Silk FM Ltd and Dee 106.3 Ltd (commercial radio stations). Director: Edinburgh DAB Ltd; Cardiff DAB	None

			Ltd; (Small-scale DAB licensees) Director: Muxco North East Wales and West Cheshire Ltd (DAB local multiplex operator) Director: Wigan and DAB Limited; Preston DAB Ltd; Warrington, Widnes & Runcorn DAB Ltd; Stoke & Newcastle DAB Ltd; Cheshire East DAB Ltd; (Small-scale DAB multiplex applicants)	
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Details of participants

3.6 Please complete the table overleaf, expanding it if necessary, to list all bodies or individuals which hold or are beneficially entitled to shares, or who possess voting powers, in the applicant (i.e. the “participants”). If you are unable to provide a complete answer to this question in relation to beneficial owners, please state whether you have any reason to suspect the existence of any beneficial owners.

(If parts of this question are not applicable to the applicant – for example, because the applicant does not have shareholders – please respond “N/A” in the relevant parts of the table.)

Full name of participant (existing and proposed)	Number of shares	Total investment (£s)	Total investment (%)	% of voting rights
Niocast Digital Ltd	135	135	46.55	46.55
Chris Hurst	135	135	46.55	46.55
Radio Fiza Ltd	10	10	3.45	3.45
Karimia Ltd	10	10	3.45	3.45
Comments				

Details of relationships of control

- 3.7 Complete the following table, expanding it if necessary, to list any bodies corporate which are controlled *by* the applicant, any director of the applicant, any person/body corporate with control over the applicant, or any body corporate controlled by a person/body corporate controlling the applicant. Please include bodies corporate under joint control – i.e. which are controlled acting together in concert with third parties (e.g. because of a shareholder’s agreement):

(If this question is not applicable to the applicant please respond “N/A” in the table.)

Full name of body corporate	Address	Person/body controlling the entity (i.e. the applicant itself or its associate)
Viamux Ltd	20 Crewe Road, Sandbach, Cheshire CW11 4NE	Niocast Digital Ltd

Details of persons who control the applicant

- 3.8 Complete the table overleaf, expanding it if necessary, *to list all persons/bodies corporate who control the applicant*, or control any person/body corporate with control over the applicant. Please include persons or bodies that control the applicant (or body corporate with control over the applicant) jointly i.e. acting together in concert with third parties (e.g. because of a shareholder’s agreement). Please note that some of this information may repeat information provided above on shareholders and other participants in the applicant:

(If this question is not applicable to the applicant please respond “N/A” in the table.)

Full name of person/body corporate	Address	Person/body controlled by the entity (i.e. the applicant itself or its associate)
N/A	N/A	N/A

- 3.9 Complete the following table, expanding it if necessary, to list other bodies in which any individual listed in response to question 3.8 is a director or designated member:

(If this question is not applicable to the applicant please respond “N/A” in the table.)

Full name of individual	Name of body in which individual is a director or designated member
N/A	N/A

- 3.10 Complete the following table, expanding it if necessary, to list all bodies corporate which are controlled (including jointly controlled) by any body corporate listed in response to question 3.8:

(If this question is not applicable to the applicant please respond “N/A” in the table.)

Full name of body corporate listed in 3.8	Body corporate controlled
N/A	N/A

- 3.11 In relation to each body corporate identified in response to question 3.8, complete the table overleaf, expanding it if necessary, to list all bodies which hold or are beneficially entitled to shares, or who possess voting powers, in the body corporate concerned (i.e. “participants”). You may, but are not required to, exclude from this table any bodies listed in response to question 3.8. If you are unable to provide a complete answer to this question in relation to beneficial owners, please state whether you have any reason to suspect the existence of any beneficial owners.

(If this question is not applicable to the applicant please respond “N/A” in the table.)

Name of body corporate identified in response to question 3.8	N/A			
Full name of participant	Number of shares	Total investment (£s)	Total investment (%)	% of voting rights
N/A	N/A	N/A	N/A	N/A
Comments				

Involvement of the applicant in specified activities

- 3.12 Please state below whether the applicant, or any individual or body corporate identified in questions 3.5 to 3.11 is, or is involved in, any of the below, and the extent of that interest.

Activity/involvement	Yes or No	Please state who is involved; the name of the body/individual/agency they are involved with; and the extent of their involvement
A local authority	No	N/A
A body whose objects are wholly or mainly of a political nature, or which is affiliated to such a body	No	N/A

A body whose objects are wholly or mainly of a religious nature; ¹	No	N/A
An individual who is an officer of a body falling within (b) or (c);	No	N/A
A body corporate which is an associate (as defined in paragraphs 1(1) and 1(1A) of Part I of Schedule 2 to the Broadcasting Act 1990) of a body falling within (b) or (c);	No	N/A
An advertising agency or an associate of an advertising agency	No	N/A

Details of applications, licences and sanctions

3.13 Please answer 'yes' or 'no' to the following questions about the applicant (i.e. the body corporate that will hold the licence):

a) Is the applicant a current licensee of Ofcom?

No

b) Has the applicant ever held an Ofcom broadcasting licence before?

No

c) Has anyone involved in the proposed service held an Ofcom broadcasting licence or been involved in an Ofcom-licensed broadcast service before?

Yes

d) Does the applicant control an existing Ofcom licensee?

No

e) Is the applicant controlled by an existing licensee or by any person who is connected (within the meaning of Schedule 2 to the Broadcasting Act 1990) with an existing licensee (i.e. as a "participant")?

No

f) Has the applicant – or any person(s) controlling the applicant - made any other application to Ofcom (or its predecessor broadcast regulators – the Independent Television Commission and the Radio Authority) for any licence which has since been

¹ Please refer to sections 3 to 5 of Ofcom's [religious guidance note](#) for details on how we determine the eligibility of religious bodies to hold certain broadcasting licences.

surrendered by the licensee or revoked by Ofcom (or one of its predecessor regulators)?

No

- g) Has the applicant – or any person(s) controlling the applicant - made any other application to Ofcom (or its predecessor broadcast regulators – the Independent Television Commission and the Radio Authority) for any licence which has since been surrendered by the licensee or revoked by Ofcom (or one of its predecessor regulators)?

No

- h) Is the applicant – or any person(s) controlling the applicant – subject to any current or pending investigation by any statutory regulatory or government body in the United Kingdom or abroad in respect of any broadcast-related matter?

No

- i) Has the applicant – or any person(s) controlling the applicant – ever been subject to a statutory sanction for contravening a condition of a broadcasting licence in the UK or any other jurisdiction?

No

- 3.14 If the response to any of the questions (a) to (i) in 3.13 above is ‘yes’, please provide the details, expanding the table where necessary:

	Licence number(s) (if known)	Details	Area
(a)			
(b)			
(c)	CR000014BA/5	2006 - Current	Radio Faza (Nottingham community radio)
(c)	CR000015BA/3	2006 - Current	Radio Dawn (Nottingham community radio)
(c)	DP101065	2015 - 2016	Manchester Business Radio
(c)	SSDABWT005	2015 - Current	Multiplex - Trial Manchester
(c)	CR102895	2019 - Current	Cheshire Radio Ltd
(c)		2004 - 2009	Swansea & S Wales Local Multiplex
(c)		2002 - 2009	Bradford & Huddersfield Local Multiplex
(c)		2004 - 2009	Stoke on Trent Local Multiplex
(c)		2002 -2009	Central Scotland Multiplex
(c)	AL100192BA/2	1991 - 2000	Signal Radio Ltd
(c)	AL100192BA/2	1992 - 2006	Imagine FM Ltd

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(c)	AL100806BA/2	1996 - 2000	Wire FM - Warrington
(c)		2000- 2009	Signal 1 Stoke on Trent
(c)		2000- 2009	Signal 2 Stoke on Trent
(c)		2000- 2009	Imagine FM Stockport
(c)		2000- 2009	Wish FM Wigan and St Helens
(c)		2000- 2009	Swansea Sound
(c)		2000- 2009	Wave Swansea
(c)		2000- 2009	Valleys Radio - S Wales Valleys
(c)		2000- 2009	Q96 Paisley
(c)		2000- 2009	Wave 102 Dundee
(c)		2000- 2009	Wire FM - Warrington
(c)		2000- 2009	The Wave Blackpool
(c)		2000- 2009	The Pulse Bradford
(c)		2000- 2009	Pulse Classic Gold Bradford
(c)		2000- 2009	Peak FM Chesterfield
(c)		2000- 2009	The Wolf Wolverhampton
(c)		2000- 2009	Peak FM Chesterfield
(c)		2000- 2009	Tower FM Bolton and Bury
(c)	AL203	2008 - 2010	Dune FM
(c)	AL323	2010 - 2011	Central Radio
(d)			
(e)			
(f)			
(g)			
(h)			
(i)			

3.15 Please provide any further information you hold, relating to the past conduct of the applicant or those individuals listed, in regulatory matters or in matters going to honesty and/or compliance, which may be relevant to Ofcom's consideration of whether or not the applicant is fit and proper to hold a broadcast licence. If the applicant or the form signatory fails without reasonable excuse at this point to declare any matter of which Ofcom

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subsequently becomes aware, and which we consider to be relevant to the applicant's eligibility to hold a licence, we will take it into account in determining the question of whether the applicant/licensee remains fit and proper to hold a licence.

If you have no information to provide, please respond "N/A".

N/A

- 3.16 Has the applicant – or any person(s) controlling the applicant – ever been convicted of an unlicensed broadcasting offence?

No

If yes, please provide the following details:

Full name	Date of conviction/action (dd/mm/yy)	Penalty
N/A	N/A	N/A

Financial and business plan

- 3.17 Please provide a high-level estimate of the costs you believe will be required to establish the multiplex service.

Nottingham DAB Ltd will establish a successful multiplex operation by providing existing community and commercial broadcasters as well as new entrants with a reliable digital broadcast platform on both affordable and flexible terms. A detailed financial forecast that sets out annual income and outgoings with a 36-month cash flow forecast is included in Appendix A.

Capital Investment – £60,000

Nottingham DAB's aim is to offer service providers a low cost, easy to access, high quality digital broadcast platform and to ensure its long-term sustainability. To achieve this, the capital investment we are making has been carefully weighed to provide sufficient funds to meet the needs of establishing the platform and to ensure carriage fees are attractive and sustainable for service providers over the longer term. This principle has guided the number and choice of transmission sites – to keep both the capital and operational cost of transmission to a minimum.

The main capital investment is in the choice of multiplexing & transmission supplier. Nottingham DAB has selected Viamux to provide the multiplexing/transmission solution as well as professional services (project management, site surveys, network design, configuration, installation and training).

Operating Costs – £35,000 (per annum)

Transmission

The ongoing costs associated with transmission (rental, rates, electrical power consumption, internet provision) are the single most important recurring operating expenditure for a multiplex company. Nottingham DAB's selection of transmission sites is a cost-effective choice that balances delivering the largest audience whilst ensuring carriage fees remain attractive to service providers.

Technical Support & Maintenance

Ongoing technical support for maintaining the multiplex and transmission equipment will be provided by Viamux (by way of an annual support & maintenance contract).

Small-Scale DAB Management Software

Nottingham DAB will subscribe to Optimux - the low-cost cloud-based control panel that simplifies the management and monitoring of a small-scale DAB network. For a low-cost monthly fee, Optimux allows us to implement cloud encoding - making it quick, easy and cheap to add new services to a multiplex. It also provides us with full invoicing and direct debit collection to streamline the payment of carriage fees. Optimux also monitors the multiplex and will alert us to any issues and notify service providers regarding their audio.

Administration

The usual administration costs associated with operating a business of this size are included (insurance, legal and accountancy services) as is the annual Ofcom licence fee.

Funding

Nottingham DAB Ltd will be funded through a combination of equity and a shareholder working capital loan. The multiplex operation will be established and sustained by providing existing community and commercial broadcasters, as well as new entrants, with a reliable digital broadcast platform on both affordable and flexible terms.

3.18 Please indicate how the costs outlined in 3.17 (above) will be met, under the following headings:

a) Share capital

Nottingham DAB Ltd is capitalised at £290

b) Loan stock

A working capital investment loan of £60,000 will be provided by the shareholders. We anticipate this loan being repaid within the term of the licence. Further funding is available, if required.

c) Leasing/HP facilities (capital value)

There is no requirement for Leasing/HP facilities.

d) Bank overdraft

There is no requirement for a Bank overdraft.

e) Grants and donations

There is no requirement for grants or donations.

f) Other (please specify)

None

3.19 Expanding the table if necessary, please list the providers of the funding which will be used to establish the service, and the amount of funding that each will provide. For incorporated investing shareholders, please provide a copy of the most recent statutory accounts if they are not currently available on Companies House.

Name of shareholder or investor	Percentage of shares held (if applicable)	Amount of funding provided (£)
Niocast Digital Ltd	46.55	£30,000
Chris Hurst	46.55	£30,000

3.20 All of the funding identified above should be confirmed. If any funding has not been confirmed, or if there are any pre-conditions before the funding is released which have not yet been met, provide an explanation of what needs to be done, the dates by which it needs to be carried out, and any steps the applicant needs to take to ensure the funding is confirmed and/or released.

All required funding is confirmed and available. Evidence that sufficient funds are available to each investing member is available on request.

Relevant expertise and experience

3.21 Please provide details of who will be responsible for the day-to-day general management of the multiplex service (for example, dealing with programme service providers and contractual matters). Please also briefly state their previous relevant experience. (Note that any individuals or contractors who cannot be identified at this stage can instead be included in the confidential section (Part B) of the application form.)

Collaboration

Nottingham DAB Ltd is a strongly local applicant group with collaboration at its heart. Nottingham DAB brings together experienced individuals and partner organisations to share the investment and operating costs in a truly collaborative local enterprise.

Nottingham DAB's founders are experienced community and local radio broadcasters and have a thorough understanding of running a small-scale DAB multiplex:

- Zaki Kahn is the CEO of Nottingham community radio station Radio Faza
- Naser Hussain is the Station Manager of Nottingham community radio station Radio Dawn
- Niocast Digital – which has operated the small-scale DAB multiplex in Manchester, since 2015. Niocast is one of the most experienced operators of small-scale DAB. Niocast director, David Duffy, was founding/launch director of Wire FM – Warrington's independent commercial radio station.
- Chris Hurst is the co-owner of two local radio stations – Chester's Dee 106.3 and Silk FM in Macclesfield; two DAB-only services Love 80s Liverpool and Love 80s Manchester; and owns 33% of the North East Wales and West Cheshire Multiplex

General Management

With its experience, Niocast Digital will lead the day-to-day general management of the multiplex service - managing commercial, financial and operational matters.

Launching, establishing and maintaining a DAB multiplex requires technical competence, operational expertise, financial stability, and an aptitude to manage third party relationships successfully.

For the past six years, Niocast Digital's day-to-day management of the Trial Manchester small-scale DAB multiplex has included, but was not limited to; supporting, maintaining and upgrading the multiplex system hardware & software; recruiting new services to ensure that the multiplex is always full; negotiating carriage agreements; invoice management and payment collection; and working with programme services to ensure DSPS and regulatory licence compliance.

Sector Participation

Niocast has also taken a leading role in advancing the aims and objectives of the small-scale DAB sector over the past 5 years - participating in DCMS and Ofcom DAB planning meetings as well as parliamentary consultations. During 2019 Niocast also ran a series of highly successful UK-wide small-scale DAB workshops in Belfast, Edinburgh, Newcastle, Sheffield, Watford and Cardiff. The 20 workshops were attended by over 180 people from 80 applicant groups.

Technical & Operational Experience

Nottingham DAB has commissioned Viamux to be responsible for the launch of the multiplex. Nottingham DAB will be responsible for its subsequent day to day operation; in particular:

- Overseeing bit rate variations, enhancements or projects required by service providers, such as EPG provision, temporary services and data developments.
- Working with service providers and the transmission subcontractor to maximise multiplex functionality and efficiency.
- Monitoring and fault reporting, ensuring that the output of all service providers is correctly logged and compliant with legislation and codes.
- Developing new revenue streams.

Nottingham DAB will oversee any multiplex re-configurations, and these will be undertaken in line with our policies and contractual agreements with service providers. We will also be responsible for ongoing financial management of the multiplex; accounts, IT, admin, legal, customer service and technical support.

Team

As mentioned before, the participants in Nottingham DAB share a track record of successfully establishing and operating radio stations as well as local and small-scale DAB multiplexes. The combined experience of the stakeholders as multiplex operators and service providers demonstrates these capabilities and give us an excellent understanding of what is required in the Nottingham – good coverage, service reliability and easy access for programme providers at an affordable and realistic price.

Key Personnel

David Duffy

David's involvement in radio dates back to 1981 working with independent commercial radio station Essex Radio. In later years he went on to be a founding director of Wire FM, the commercial radio station in Warrington. In 2004 he established community radio station Cheshire FM and served as its first Chief Executive. In 2008 he led a group in the acquisition of Southport commercial radio station Dune FM and subsequently Preston's Central Radio. The station was returned to profitability and successfully sold to a local group in 2010.

In 2013 David established Niocom Associates to provide professional consultancy services to the broadcast sector. In 2015 Niocom was awarded one of the ten trial small-scale DAB trial licences (Manchester) which has now been running successfully for six years. In 2017 he co-founded Viamux to develop low-cost DAB solutions for small-scale DAB operators. Viamux's first customer was the Irish State Broadcaster, RTÉ. Viamux went on to work with ComReg, Ireland's communications regulator, to operate a DAB multiplex in Cork - the first independent small-scale DAB multiplex trial in Ireland.

In 2019 Viamux ran a series of 20 workshops across the UK designed to provide practical help and advice to stations, groups and individuals interested in applying for and launching their own small-scale DAB multiplex. Viamux is increasingly recognised as a leading small-scale DAB solutions provider and is working closely with many applicants - bringing expertise and experience to their DAB projects.

Chris Hurst

Chris Hurst has worked in commercial radio for over 30 years. He's been a director and Ofcom licence holder for over 23 years. Chris was the Local Radio Managing Director of the LSE quoted Wireless Group PLC with responsibility for 10 local stations and 3 local multiplexes until it was acquired in 2002 by LSE quoted UTV Media PLC he continued in the position until 2009 at which point he had responsibility for 17 analogue radio stations, 7 digital stations and 4 local multiplexes. In 2009 he took a shareholding in Dee 106.3 Ltd and became its CEO a position he continues to hold. The Dee Radio Group went on to acquire Silk FM Ltd.

Chris is a strong believer and supporter of DAB, and the Dee Radio Group has launched digital services Dee on DAB, Love 80s Liverpool and Love 80s Manchester. Love 80s Manchester broadcasts on the small-scale trial multiplex in Manchester and is the only small-scale service in the UK that publishes RAJAR. The Dee Radio Group co owns the local multiplex for NE Wales and West Cheshire and Chris is a director of the holding company Muxco NE Wales and West Cheshire Ltd.

Chris was a consultant general manager of community station Pure 107.9 between 2009 and 2017 during which time Pure successfully applied for a grant to establish the Great Manchester Community Radio Alliance which ran for a number of years.

Chris is actively engaged in the radio industry as a whole and sits on the RadioCentre Advisory Group.

Chris attended Harvard Business School in 2005.

Zakir Ahmed

Zakir is the CEO of Radio Faza, a South Asian Community Radio serving Nottingham and Nottinghamshire for past 21 years. After his involvement in radio for 9 years, he took charge of Radio Faza in 2017 and has been responsible for growth in turnover, audience reach, community engagement and production quality of programmes. Zaki brings 14 years of experience in the broadcast industry and 28 years in sales and marketing.

Naser Hussain


Naser is Station Manager for Radio Dawn 107.6 Fm, Nottingham. Born and raised in Nottingham he has a strong relationship with diverse communities and local businesses.

Naser has been running the station since August 2019, alongside 40 volunteer presenters. Under his leadership Radio Dawn has grown rapidly - significantly improving the quality and variety of programs – including programs in English, Urdu, Punjabi, Arabic & Nigerian.

He is passionate that the availability of services on DAB will significantly improve the offerings available for listeners in Nottingham.

We believe that this highly experienced team has all the relevant expertise and local knowledge to deliver all aspects of launching and running a successful small-scale operation.

3.22 Please provide details of who will be carrying out the installation and on-going maintenance of your multiplexing / transmitter equipment (or the name of your proposed transmission and multiplex provider if you intend to use a third-party organisation for these services). Please also briefly state their previous relevant experience. (Note that any individuals or contractors who cannot be identified at this stage can instead be included in the confidential section [Part B] of the application form.)

Function	Responsible party	Previous experience
Installation of transmission equipment	Viamux	Viamux is a leading supplier of small-scale DAB solutions. It was established in 2017 by the Niocast Digital team - who have been operating the successful Trial Manchester small-scale multiplex for the past six years. Viamux have installed systems in the UK & Republic of Ireland. More info: www.viamux.com 
Ongoing maintenance of the transmission equipment	Viamux	
Installation of the Multiplexing equipment	Viamux	
Day-to-day technical management and maintenance of the multiplexing equipment (if different from response to question 3.28 above)	Viamux	

Timetable for coverage roll-out

- 3.23 Please tell us how soon after licence award you expect your multiplex service to become operational and achieve the coverage you are proposing:

Nottingham DAB Ltd intends to launch the multiplex in less than 9 months from award of licence.

Upon award Nottingham DAB will immediately advance negotiations regarding the proposed transmission sites. Following the procedure set out in Ofcom's Technical Policy Guidance, we will also liaise with other radio multiplex licensees on any impact our proposed transmitters might have. Once completed, Nottingham DAB will seek agreement from Ofcom for the proposed technical plan – mindful that the coverage proposed in our application is an award criterion and that any change will need to deliver broadly equivalent coverage.

Nottingham DAB will send final site details to Ofcom for clearance and evidence of liaison and agreement with those other radio multiplex licensees. Given the time taken to co-ordinate services we recognise the importance getting the final transmitter plans to Ofcom as quickly as possible.

Our timeline then focuses on the following key stages:

- Building and installing the DAB multiplex and transmission chain;
- Finalising carriage agreements with the service providers;
- Commissioning and testing the transmitter equipment for compliance with Ofcom's Digital Radio Technical Code; and
- Providing Ofcom with evidence of compliance with the licence and the Digital Radio Technical Code

Our supplier, Viamux has confirmed the availability of all equipment and services to meet our timescales.

- 3.24 In addition, please provide, as an annex to be submitted with this application, an outline project plan with timeline (e.g. a Gantt chart or similar) showing the high-level activities and tasks leading up to the launch of your multiplex service.

The project GANTT chart (Appendix E) sets out the precise, key stages in the implementation of the multiplex together with the timeline.

4. Involvement of C-DSP providers; demand or support from programme providers

Involvement of C-DSP providers

4.1 Is the applicant body proposing to provide its own C-DSP service on the multiplex?

No

4.2 If the answer to the above question is 'yes', please provide a name and brief details of this proposed service. If the service is already licensed by Ofcom, the licence number should be provided:

N/A

4.3 If the answer to the above question is 'no', please provide details of any participant in the applicant body that is proposing to provide a C-DSP service on the multiplex. In this context, a "participant" refers to a person who holds or is beneficially entitled to shares in the applicant or possesses voting power in the applicant. If the service is already licensed by Ofcom, the licence number should be provided. Please refer to the nature of the participation (e.g. shareholding or agreement in relation to voting power):

Radio Dawn (CR000015BA/3) is an Ofcom-licensed community radio station based in Nottingham – that is both a participant and corporate director of Nottingham DAB Ltd

Radio Faza (CR000014BA/5) is an Ofcom-licensed community radio station based in Nottingham – that is both a participant and corporate director of Nottingham DAB Ltd

Demand or support from programme providers

- 4.4 Please provide in the table below (expanding the table if necessary) the names of providers (or prospective providers) of community or local digital sound programme services who have expressed their demand or support for the provision of the proposed multiplex service in the area to be served by the multiplex service. For reasons of transparency, the response to this question *must be answered below and should not be provided as a separate annex*. The evidence of the demand or support, such as signed heads of terms or emails, should be provided as a confidential annex, and relate only to the specific multiplex being applied for.

Name of service provider and station name (if known)	Proposed C-DSP or DSP	Nature of evidence of support provided
Radio Faza	C-DSP	Heads of Terms
Radio Dawn	C-DSP	Heads of Terms
Kemet FM	C-DSP	Email
Faza 1	C-DSP	Heads of Terms
Faza 2	C-DSP	Heads of Terms
Faza 3	C-DSP	Heads of Terms
Faza 4	C-DSP	Heads of Terms
103 the Eye	C-DSP	Heads of Terms
Love 80s	DSP	Heads of Terms
Love 90s	DSP	Heads of Terms
Midlands Radio	DSP	Email
Erewash Sound	DSP	Email
Radio Newark	DSP	Heads of Terms
Gaydio	DSP	Heads of Terms
Speed FM	DSP	Email
Nation UK	DSP	Heads of Terms
Like Retro	DSP	Heads of Terms
Madchester	DSP	Heads of Terms
Mom's Spaghetti	DSP	Heads of Terms
Care	DSP	Heads of Terms
Retro Zest	DSP	Heads of Terms

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45 Radio	DSP	Heads of Terms
Hope FM	DSP	Email
Asian Star	DSP	Heads of Terms
Radio Sangam	DSP	Heads of Terms
Strawberry Radio	DSP	Heads of Terms
Unity Radio	DSP	Heads of Terms
Gorgeous Radio	DSP	Heads of Terms
Timeless Radio	DSP	Heads of Terms
Solid Radio	DSP	Heads of Terms
Voice of Islam	DSP	Heads of Terms
Nation UK	DSP	Heads of Terms
Cosoro	DSP	Heads of Terms
XL:UK Radio	DSP	Email
Abacus	DSP	Heads of Terms

5. Fair and effective competition

- 5.1 Please detail the measures that have already been taken, and will be taken before and during the licence period, to demonstrate that, in contracting or offering to contract with programme services providers, the applicant has acted in a manner calculated to ensure fair and effective competition in the provision of such services:

Ethos

Nottingham DAB is conscious of its responsibility to ensure fair and effective competition, at all times. We believe that when competition works well, service providers are motivated to maximise audience share and are better able to secure funding on the basis of their service offering - its uniqueness, its audience and the value it delivers. Alongside established brands, competition delivers greater choice for listeners and a better outcome for the public. It also ensures the long-term sustainability of service providers. Constrained only by capacity, Nottingham DAB small-scale DAB platform will remain accessible to new entrants – a place where innovative formats will be encouraged and nurtured.

Proven

The members in Nottingham DAB bring together a track record of successfully establishing radio stations and local & small-scale DAB multiplexes. Niocast has successfully operated the Trial Manchester multiplex for the past six years providing a platform for existing community and commercial services as well as creating a ‘launch pad’ for a large number of new programme services.

Nottingham DAB approach will be to foster a healthy and vibrant radio ‘ecosystem’ – not only embracing existing commercial and community stations but also new entrants, pop-ups and experimental audio concepts. Niocast’s experience of running the small-scale DAB multiplex in Manchester led to the introduction of a ‘format matrix’ which has proved to be highly successful in ensuring a balanced range of services rather than a preponderance of any particular genre. Nottingham DAB will deliver unprecedented choice for listeners in a carefully controlled, transparent way. Our goal is to ensure, as far as possible, that our multiplex enriches the listener experience by complementing, rather than competing with, local and national ensembles.

Leadership

An award of this licence to Nottingham DAB ensures that the multiplex is operated by a locally led community radio company supported by experienced individuals who have successfully implemented and operated DAB multiplexes. All stakeholders are committed to small-scale DAB and have the financial stability to support that ambition. Our team is hugely experienced and well resourced, with significant practical digital radio expertise.

Delivery

Launching a small-scale DAB platform is a significant undertaking and we have been encouraged by the number of positive responses to our plans. Nottingham DAB has openly discussed our transmission plans, carriage terms and indicative fees. Nottingham DAB has engaged with potential service providers in an open, non-exclusive manner and will continue to do so throughout the duration of this licence. Each service provider will enter into a Carriage Agreement - the key terms of which are identical for all service providers. All fees charged will be pro-rata to capacity contracted by each service provider.

6. Declaration

- a) I hereby apply to Ofcom for the grant of a licence for the small-scale radio multiplex licence described above and declare that the information given in this application form is, to the best of my knowledge and belief, correct.
- b) I further declare and warrant:
- i) that the applicant is not a disqualified person within the meaning of that expression as defined in Part 2 of Schedule 2 to the Broadcasting Act 1990, as amended, or as a result of a disqualification order under section 145 of the Broadcasting Act 1996;
 - ii) that having made all reasonable enquiries neither the applicant nor any person controlling the applicant, as result of the grant to me of the licence, breach any requirement of Schedule 14 to the Communications Act 2003 with regard to the accumulation of interests in broadcasting services or to the restrictions on cross-media interests;
 - iii) that the applicant is not disqualified by virtue of the provisions of section 143 (5) of the Broadcasting Act 1996 in relation to political objects and the provisions of section 144 (3) of the Broadcasting Act 1996 in relation to the provision of false information or through the withholding of information with the intention of misleading Ofcom; and
 - iv) that no director or person concerned directly or indirectly in the management of the Licensee is the subject to a disqualification order as defined by section 145 (1) of the Broadcasting Act 1996.
- c) I understand that Ofcom reserves the right to revoke the licence (if granted) if at any time any material statement made to Ofcom is found to be false and to have been by the applicant or any member or officer thereof knowing it to be false. I also understand that under sections 144 and 145 of the Broadcasting Act 1996, the provision of false information could incur a criminal conviction and a disqualification from the holding of a Broadcasting Act licence. I further certify that, to the best of my knowledge, any matters which might influence Ofcom's judgement as to whether the directors and substantial shareholders involved in this application are fit and proper persons to participate in a radio licence, have been made known to Ofcom.

Full name (BLOCK CAPITALS) of the person authorised to make the application of behalf of the applicant:

DAVID DUFFY

Date of application:

22 APRIL 2022

I am authorised to make this application on behalf of the applicant in my capacity as Company director.