GOVERNMENT POLICY STATUS

world dob DAB DIGITAL RADIO EUROPE AND ASIA PACIFIC

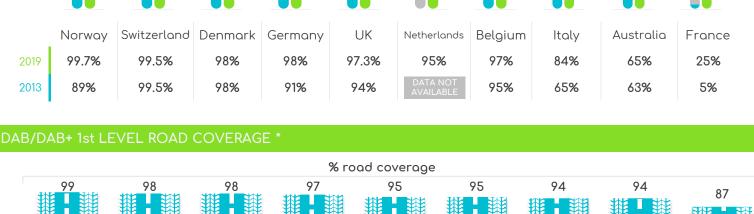
Norway – the digital switchover completed for all national radio Dec 2017 | Switzerland – DSO planned for 2024 at the latest¹ | **United Kinadom** – in May 2019 the UK Government announced a review of digital radio and audio which is now underway and is expected to conclude at the end of 2020 | Denmark - timing of DSO to be decided when 50% of listening is digital | Germany - digital radio roadmap published by authorities Feb 2017 | Netherlands - fastest DAB+ launch, backed by Government support | Italy - from 2020 it will be mandatory for all radios sold to have DAB+ | France - all receivers will have to be DAB+ capable in 2020²; Parliament currently reviewing receiver requirements in line with the EECC; national coverage by commercial and public broadcasters will start in 2020 | Belgium – Flemish and French speaking governments committed to a digital radio future with DAB+ at its core | Australia – DAB+ in 6 metropolitan and 1 regional areas 65% population coverage; planning underway for other markets

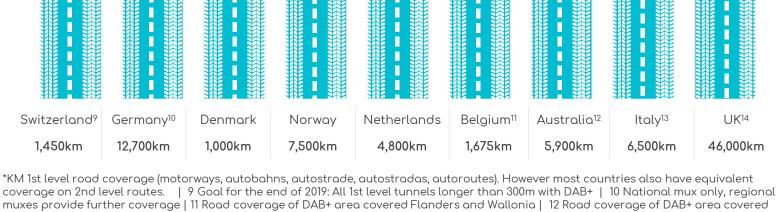
1 Commitment of the industry; communication of earlier DSO-Date planned for Q1 2021 | 2 From January 2020 for most domestic receivers and July 2020 for automotive

CUMULATIVE DAB/DAB+ RECEIVER SALES (INCLUDING LINE FIT AUTOMOTIVE) 2008 - H1 2019









DAB/DAB+ HOUSEHOLD RECEIVER PENETRATION

in 6 metropolitan and 1 regional areas | 13 National and local muxes, no data on 2nd level routes | 14 BBC National



Netherlands

34

Q3 2019

UK

40%

| 29 FM only: 17%

Regular

DAB+ 85%

coverage

Trial DAB+

coverage

30%

Belgium²¹

57

Denmark

18

Q2 2019

Switzerland

Trial DAB+

Batam and

Hanoi and

Ho Chi

2019

Minh Q4

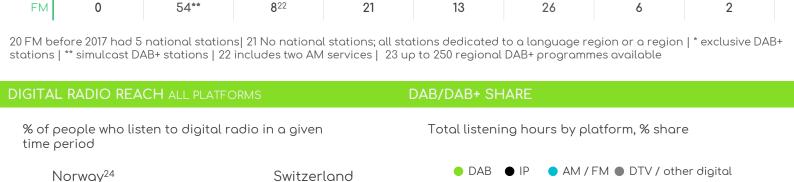
Surabaya

Jakarta,

Germany²³

13

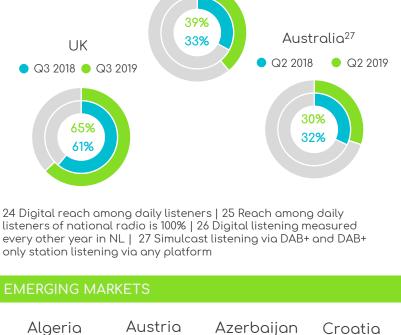
Norway²⁰ Switzerland²¹ Italy DAB 32 49 55* 51



Netherlands²⁶ 35% 13% 2017 0 2019 30%27 43% 35%²⁸ 4% 39%

Q2 2019

Q2 2018



(*

Regular

DAB+ 30%

coverage

Regular

DAB+ Q2

2019 50%

coverage



Trial DAB+

coverage

Regular DAB+ Kyiv

2018-2025

30%

Regular

Athens

DAB+

DAB+

ns

receiver

specificatio

published

28 In Switzerland, 'IP' listening includes streaming, cable and IP-TV

Q1 2019

Denmark

24%

11%

62% 3%



Regular

DAB+ 77%

coverage

Trial DAB+

coverage

DAB+ trial

Johannesburg,

Pretoria and

Cape Town³²

Q1 2018Q1 2019



Trial DAB+

coverage

Bangkok

April 2019,

coverage

14%

A national DAB+ multiplex for commercial radio is currently on air and will reach 43% of the population by end 2019.

70%

% coverage refers to population coverage

Regular

DAB 41.8%

coverage³³

Norway³⁴ – <u>radio.no</u> | Switzerland – <u>dabplus.ch</u>³⁵ | United Kingdom – <u>getdigitalradio.com</u> | Denmark - <u>mereradio.dk</u> | Germany – <u>dabplus.de</u> | Netherlands – <u>digitalradio.nl</u> | Italy – <u>digitalradio.it</u> | France – <u>dabplus.fr</u> | Australia – <u>digitalradioplus.com.au</u> | Austria – <u>dabplus.at</u> | Belgium – <u>dabplus.be</u> | Czech Republic – <u>rozhlas.cz/digital</u> & <u>digitalradiodab.cz</u> | Poland – <u>polskieradio.pl</u> | Slovenia – <u>rtvslo.si/dab</u> | 35 The digital switchover is completed, DRN is therefore as planned shut down | 36 Marketing campaign (2017 - 2024) of OFCOM **Switzerland**

30 Population coverage of 17 Regular regional DAB+ multiplexes, 82% popn coverage by Oct 2022. 6 Trial local DAB+ multiplexes are also on air and provide additional coverage. | 31 New multiplexes anticipated 2020 | 32 Regulator will develop the draft regulations on Digital Sound Broadcasting in the current financial year (2019/20) | 33 Population coverage of Regular national DAB multiplex for public service.