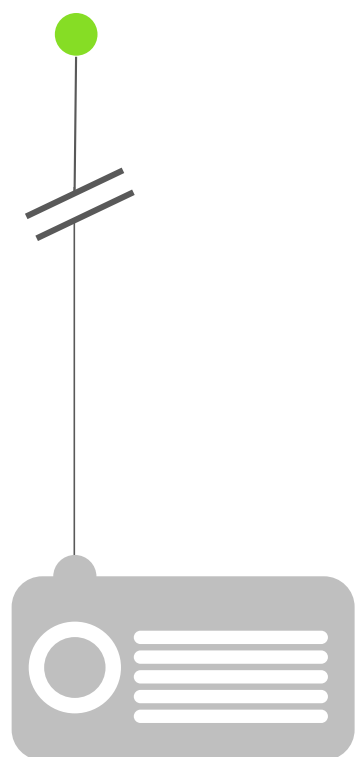


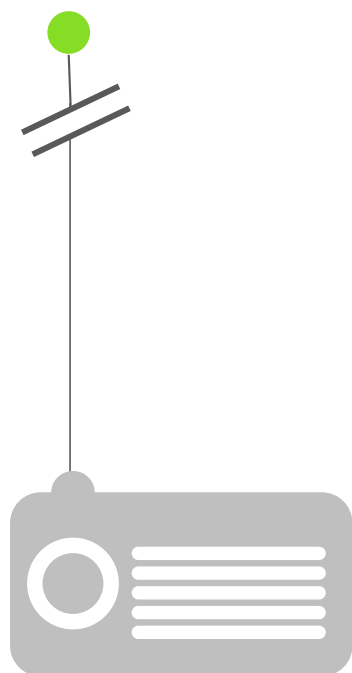
DAB DIGITAL RADIO

EUROPE AND ASIA PACIFIC

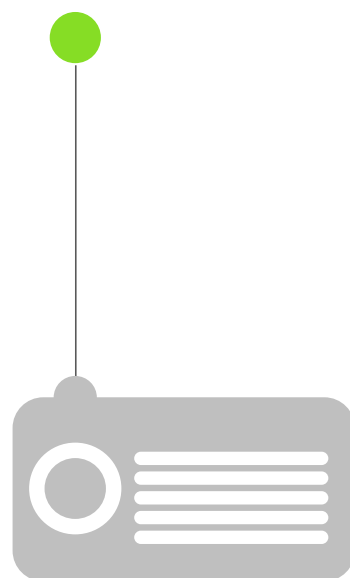
CUMULATIVE DAB / DAB+ RECEIVER SALES (INCLUDING LINE FIT AUTOMOTIVE) 2008 – 2020



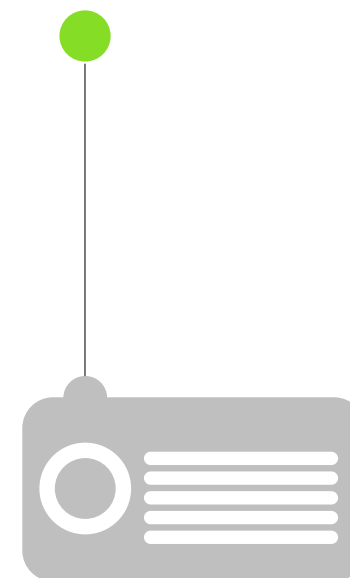
United Kingdom
46,658,000¹



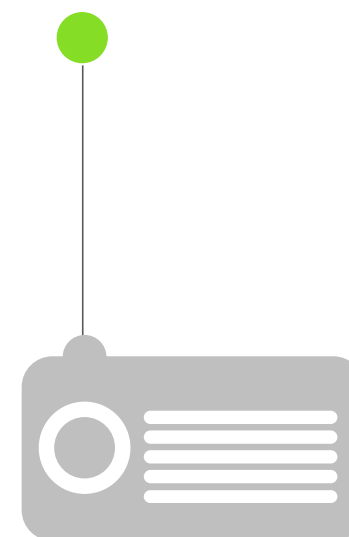
Germany
16,623,000²



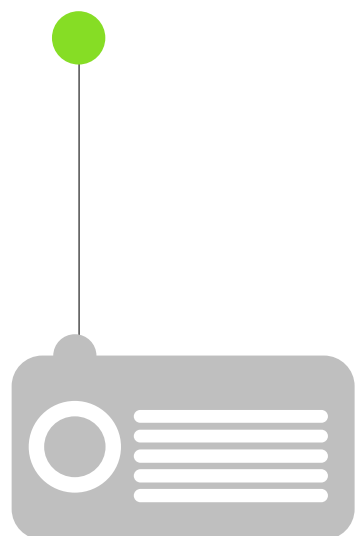
Norway
7,000,000^{1,3}



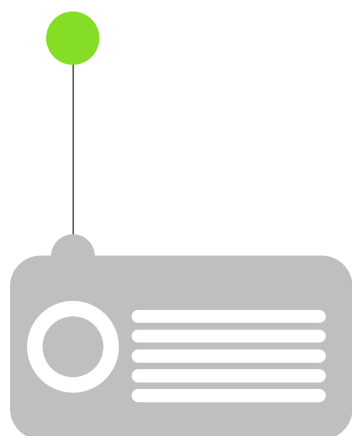
Italy
7,000,000⁴



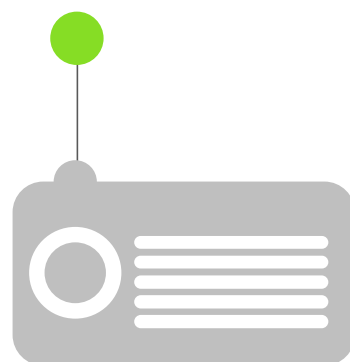
Australia
6,471,000⁵



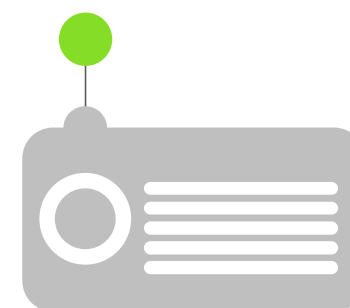
Switzerland
5,068,000^{1,6}



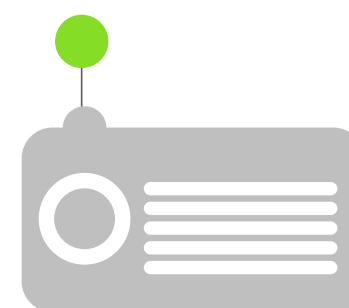
France
4,395,000



Netherlands
2,527,000⁷



Belgium
1,552,000⁷



Denmark
1,414,000⁸

¹ including pre 2008 sales

² As of Q2 2020, including sales starting from 2013

³ Q4 2020 estimate

⁴ Sales of consumer DAB+ radios almost tripled in the first half 2020 following the introduction of rules requiring all receivers to have DAB+ from 1st January 2020

⁵ including sales from 2009-2020

⁶ June 2020. Cars: 1.8 Million (Q2: estimation)

⁷ contains only DAB+ sales starting from 2013

⁸ including sales starting from 2011

% NEW CARS WITH DAB / DAB+



Norway
100%



Switzerland
99%



United Kingdom
97.5%



Italy
90%



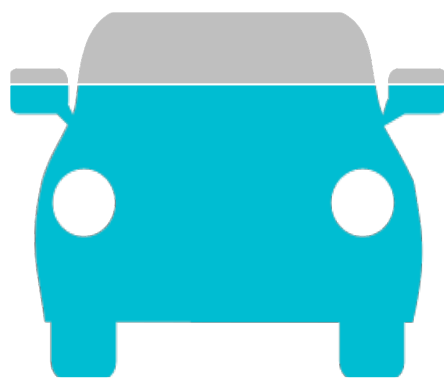
Netherlands
85%



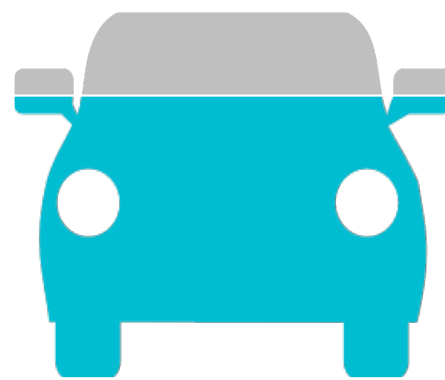
Belgium
82%



France
82%



Germany
80%



Australia
77%



Denmark
62%

TOTAL DAB / DAB+ NETWORK COVERAGE (% OF POPULATION) 2013 VS 2021

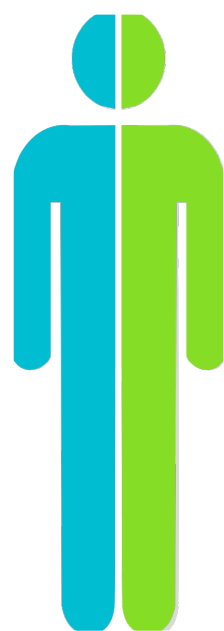
2013 2021



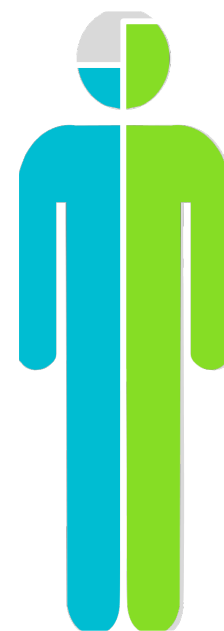
Denmark
98% 99.9%



Norway
89% 99.7%



Switzerland
99.5% 99.5%



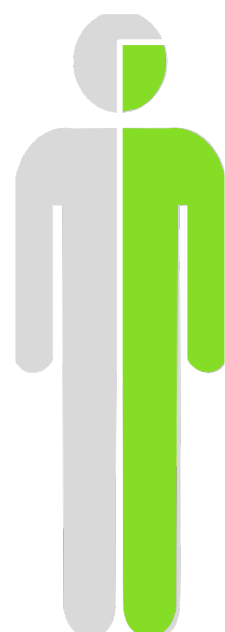
Germany
91% 98%



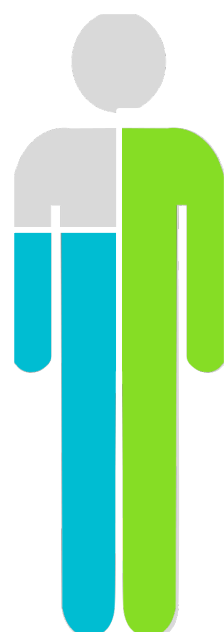
United Kingdom
94% 97.3%



Belgium
95% 97%



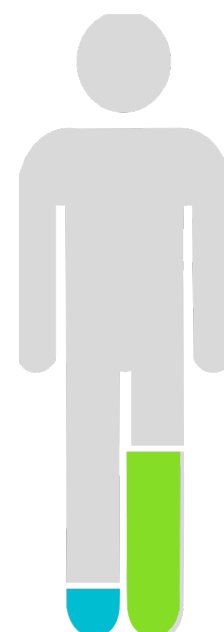
Netherlands
DATA NOT AVAILABLE 95%



Italy
65% 84%



Australia
63% 64%

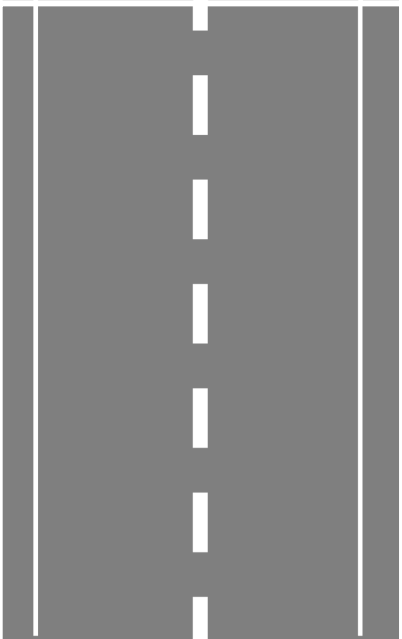


France
8% 30%

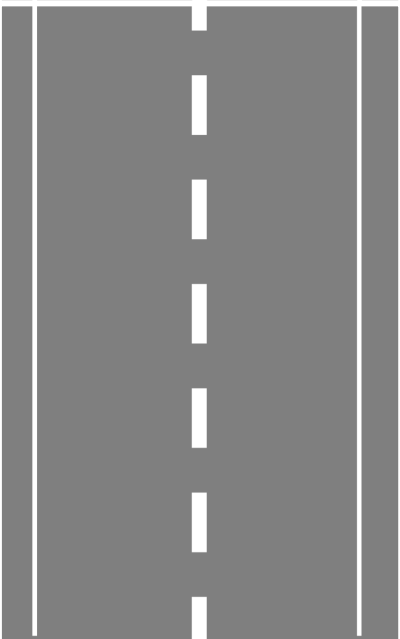
DAB / DAB+

1ST LEVEL % ROAD COVERAGE *

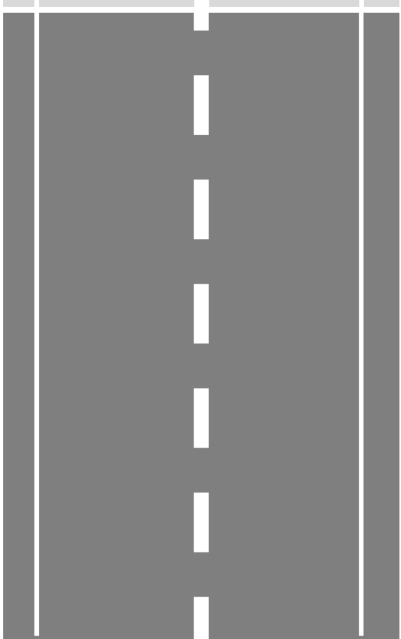
Switzerland⁹
1,450 km
99%



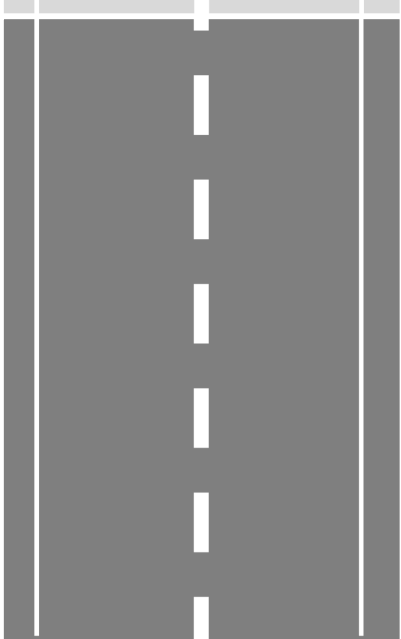
Denmark
1,300 km
99%



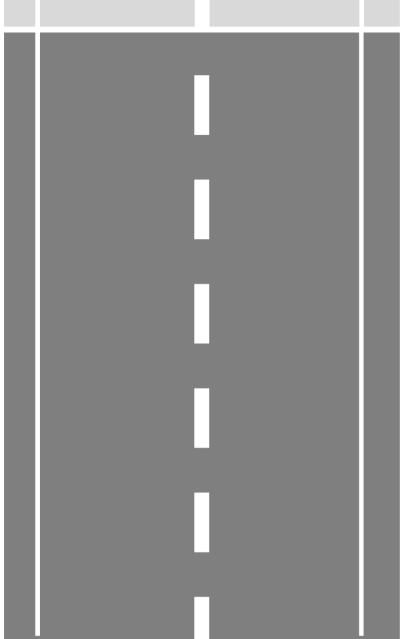
Germany¹⁰
12,700 km
98%



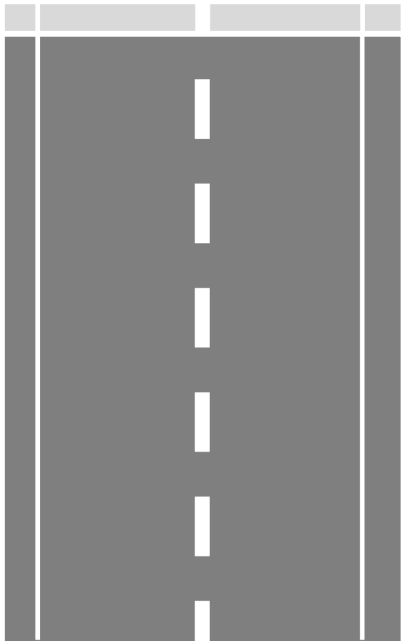
Norway
7,500 km
97%



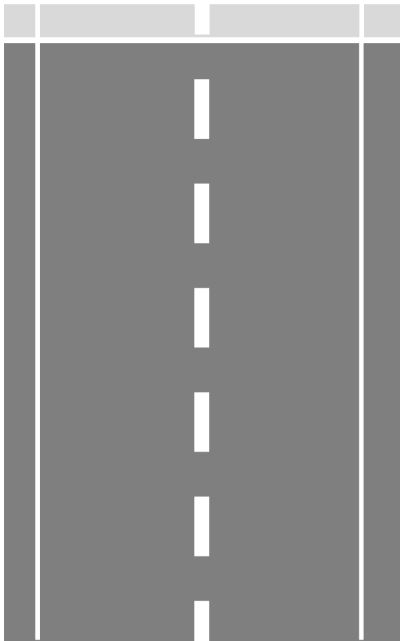
Netherlands
4,800 km
95%



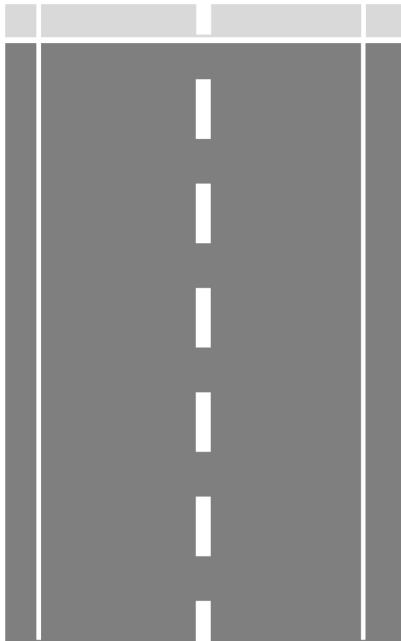
Belgium¹¹
1,675 km
95%



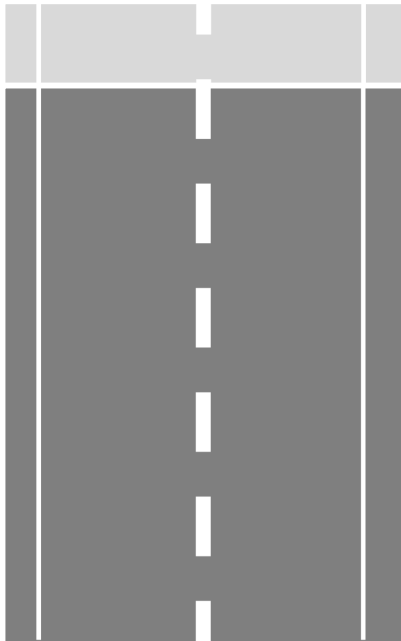
Italy¹²
6,500 km
95%



Australia¹³
94%



United Kingdom¹⁴
46,000 km
87%



* KM first level road coverage (motorways, autobahns, autostrade, autostradas, autoroutes).

However most countries also have equivalent coverage on second level routes.

9 Since end 2019 all 1st level tunnels longer than 300m are fitted with DAB+

10 National mux only, regional muxes provide further coverage

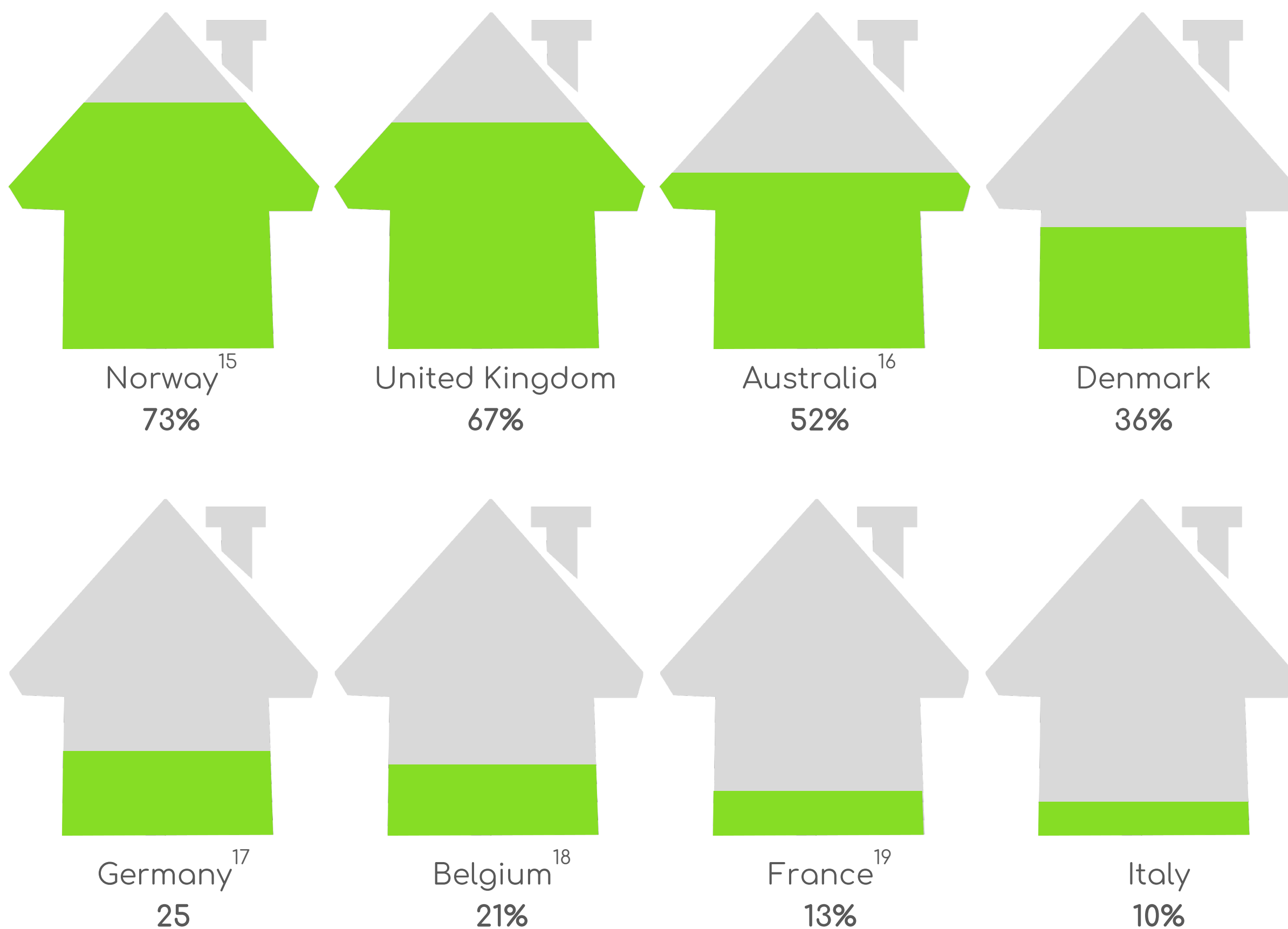
11 Road coverage of DAB+ area covered Flanders and Wallonia

12 National and local muxes, no data on 2nd level routes

13 Road coverage of DAB+ markets only, covered in 8 capital cities & 1 regional area.

14 BBC National

DAB / DAB+ HOUSEHOLD RECEIVER PENETRATION



¹⁵ 73% of Norwegians have one or more DAB radios in their home. 71% of Norwegians have access to DAB in their car

¹⁶ Refers to % of people who have access to a DAB+ digital radio at home, at work or in the car in the five metropolitan capital cities, as of Q1 2021

¹⁷ As of Q2 2020, including sales starting from 2013

¹⁸ As of Q4 2020, base = population 12+

¹⁹ 2020, 13% of individuals have access to a DAB+ home receiver

NUMBER OF NATIONAL STATIONS ON FM VS DAB / DAB+

FM DAB



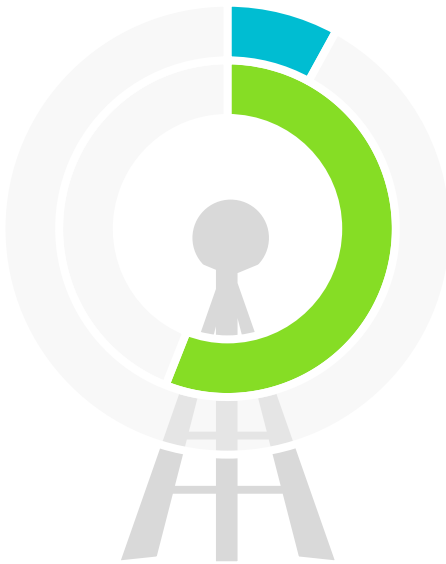
Norway²⁰
0 32



Switzerland²¹
54 * 70 **



Belgium²¹
29 55



United Kingdom
8²² 56



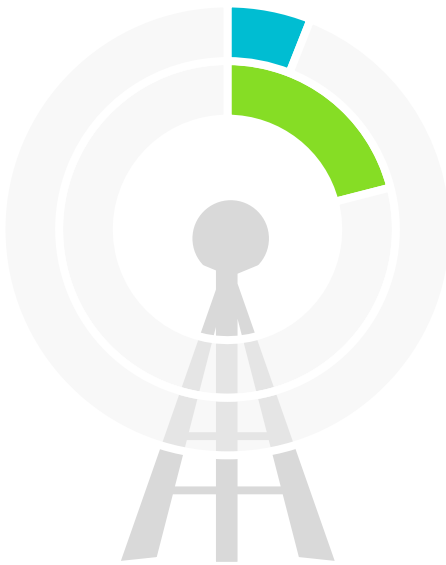
Italy
21 50



Netherlands
13 29



Germany²³
2 29



Denmark
6 21

²⁰ FM before 2017 had 5 national stations

** exclusive DAB+ stations

²¹ No national stations; all stations dedicated to a language region or a region, no FM only stations

²² includes two AM services

* simulcast DAB+ stations

²³ up to 270 regional DAB+ programmes available

DIGITAL RADIO REACH ALL PLATFORMS

the % of people who listen to digital radio in a given time period

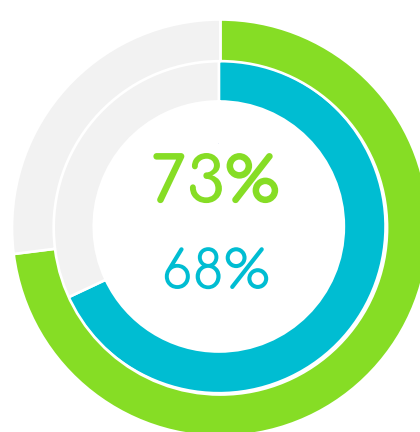
Norway²⁴

● Q4 2019 ● Q4 2020



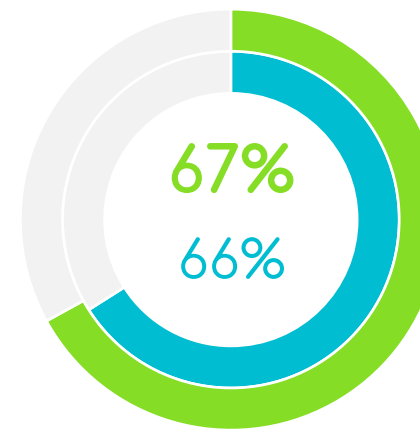
Switzerland

● Q4 2019 ● Q4 2020



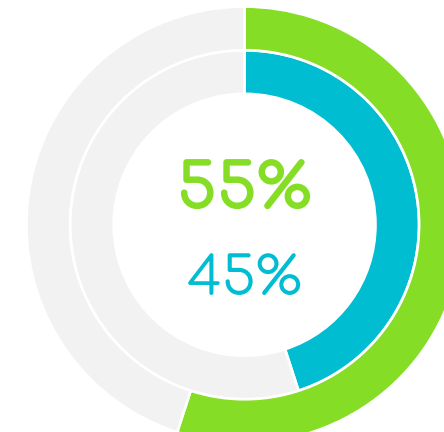
United Kingdom

● Q1 2019 ● Q1 2020



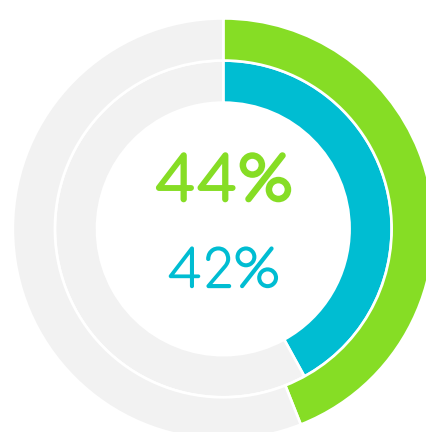
Belgium

● Q4 2019 ● Q4 2020



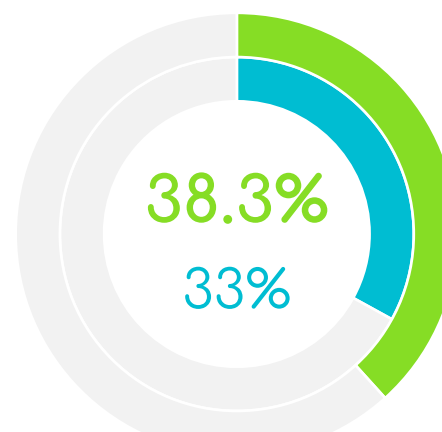
Denmark²⁵

● Q1 2020 ● Q1 2021



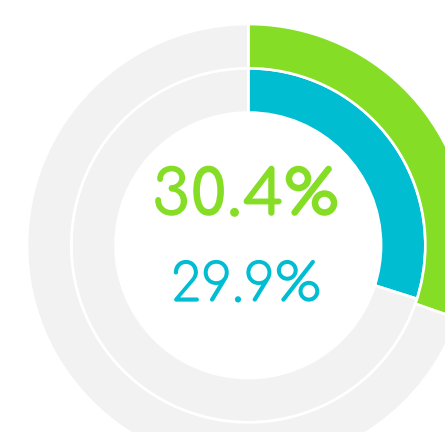
Netherlands²⁶

● 2017 ● 2020



Australia²⁷

● Q1 2020 ● Q1 2021



24

No FM distribution of national stations. For total listening, including local radio, reach among daily listeners is 97% digital and 3% FM only (local radio listening). Reach among daily listeners of national radio is 100%.

25

Not all stations in Denmark have their platforms (DAB, IP, FM, Cable) measured

26

Via online and DAB+, excluding digital cable

27

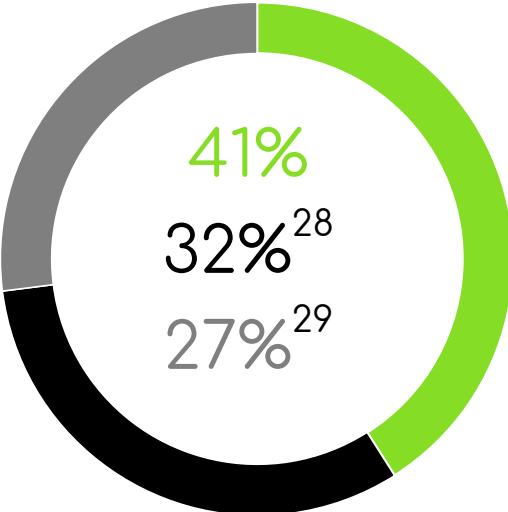
Simulcast station listening via DAB+ and DAB+ only station listening via any platform

DAB / DAB+ SHARE

Total listening hours by platform, % share

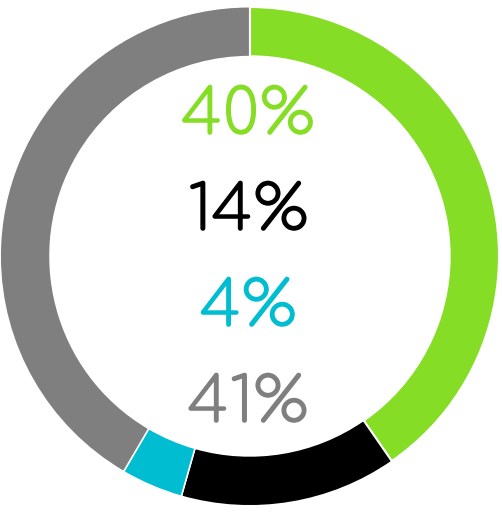
Switzerland

Q4 2020



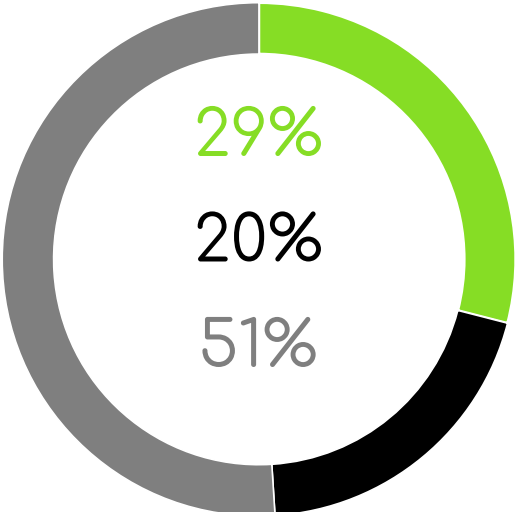
United Kingdom

Q1 2020



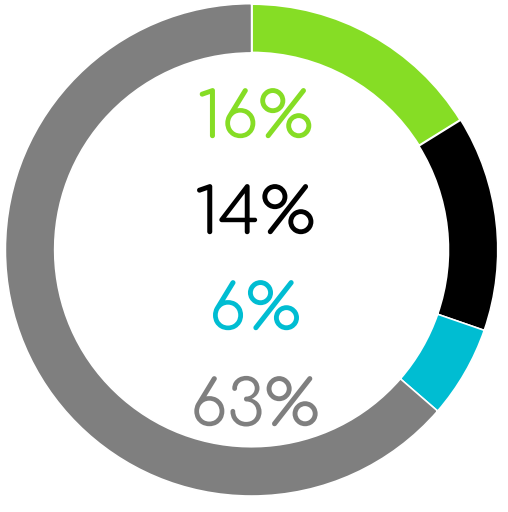
Denmark

Q1 2021



Belgium

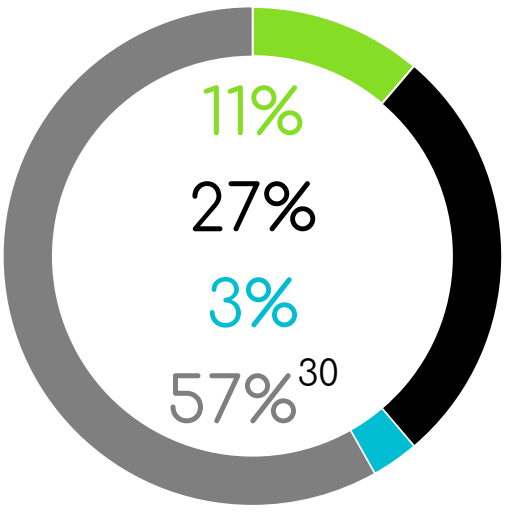
Q4 2020



DAB IP DTV / other digital AM / FM

Netherlands

Q1 2021



DAB IP Other FM / Cable

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

²⁹ FM only: 12%

³⁰ FM/Cable 57% (including digital cable)

EMERGING MARKETS

% POPULATION COVERAGE

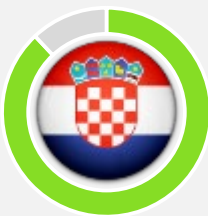
EUROPE

Austria



Regular DAB+
83% coverage

Croatia



Trial DAB+
88% coverage

Czech Rep.



Regular DAB+
95% coverage

Greece



Regular DAB+
Regular DAB+
Athens,
Thessaloniki and
Patras

Luxembourg



Trial DAB+
75% coverage

Montenegro



Trial DAB+
29% coverage

Poland



Regular DAB+
66% coverage³¹

Romania



Trial DAB
10.8% coverage

Serbia



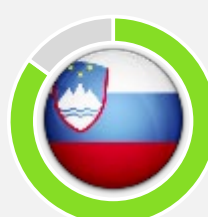
Trial DAB+
78% coverage

Slovakia



Trial DAB+
46% coverage

Slovenia



Regular DAB+
85% coverage

Sweden



Regular DAB+
43% coverage³²

³¹ 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.

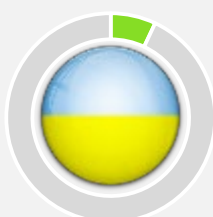
³² Population coverage of the regular national DAB+ multiplex for NENT (commercial radio). A second regular commercial national DAB+ multiplex (Bauer Media) is reaching 40% of the population. A national DAB+ multiplex for public service (Swedish Radio) is reaching 41.8% of the population.

EMERGING MARKETS

% POPULATION COVERAGE

EUROPE

Ukraine



Regular DAB+
7% coverage

MENA

Algeria



Trial DAB+
8% coverage

Kuwait



Regular DAB+
100% coverage

Tunisia



Regular DAB+
75% coverage

UAE



DAB+ receiver
specifications
published

Qatar



Regular DAB+

ASIA

Azerbaijan



Regular DAB+
30% coverage

Indonesia



Trial DAB+
Jakarta, Batam
and Surabaya

Thailand



Trial DAB+
Bangkok
14% coverage

AFRICA

Turkey



Trial DAB+
30% coverage

Vietnam



Trial DAB+
Hanoi and Ho
Chi Minh

South Africa



Trial DAB+
Johannesburg
and Pretoria³³

33 Broadcast Regulator ICASA published on 23 April 2021 Digital Sound Broadcasting Regulations for DAB+ in South Africa.

ABOUT THIS INFOGRAPHIC

The data included in this infographic has been provided by WorldDAB members and partners including market research agencies, broadcasters, national digital radio bodies, national ministries and governmental bodies.

WorldDAB gathers the latest available data on DAB+ regarding receiver sales; new car sales; population coverage; household penetration; road coverage; national DAB+ stations; digital radio reach; listening numbers; emerging markets.

Updated and published twice a year, the WorldDAB infographic includes important data and figures on DAB+ for broadcasters, receiver and automotive manufacturers, as well as listeners.

For questions related to this infographic contact projectoffice@worlddab.org.

For a full list of sources attributable to each statistic visit the [WorldDAB website](https://www.worlddab.org).

