

List of stations

CRO Radiožurnál	Radio Junior	Radio Dechovka
CRO Dvojka	CRO Plzeň	Radio ZET
CRO Vltava	CRO C. Budejovice	Radio PROGLAS
CRO Plus	Radio Impuls	SeeJay Radio
CRO Wave	Cesky Impuls	Radio BEAT
CRO Jazz	Frekvence 1	Samson Digital
CRO D-dur	City 937	Radio BLANIK
CRO Sport	Evropa 2	jamesdean.fm
CRO Retro	RockZone	DAB Plus Top 40
CRO Regina DAB	Pigy Radio	

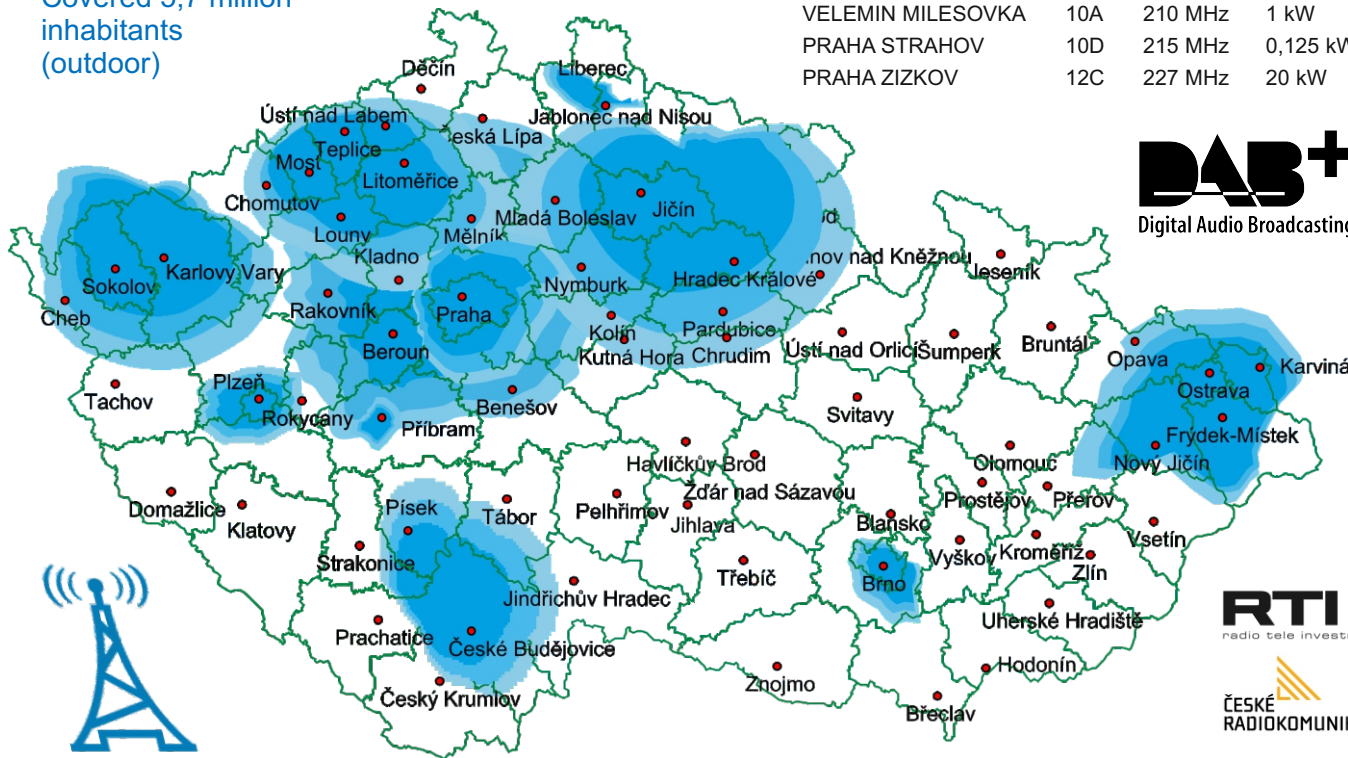
List of transmitters

LIST OF TRANSMITTERS		L-Band	
Name	Channel	Frequency	ERP max.
C BUDEJOVICE KLUK	LD	1458 MHz	2 kW
JACHYMOV	LJ	1468 MHz	4 kW
PLZEN RADYNE	LM	1474 MHz	2 kW
PRAHA STRAHOV	LD	1458 MHz	1 kW
BRNO BARVICOVA	LE	1460 MHz	4 kW
FRYDEK MISTEK	LP	1479 MHz	8 kW
LIBEREC PROSEC	LL	1472 MHz	1 kW
PRAHA MESTO	LI	1467 MHz	1 kW

LIST OF TRANSMITTERS		III-Band	
Name	Channel	Frequency	ERP max.
PLZEN BORY	10A	210 MHz	0,2 kW
CESKE BUD. KLUK	5D	180 MHz	1 kW
PRAHA ROSIC. STAD.	11A	217 MHz	0,2 kW
PRIBRAM HVEZDARNA	11A	217 MHz	1 kW
TRUTNOV	5D	180 MHz	1 kW
VELEMIN MILESOVKA	10A	210 MHz	1 kW
PRAHA STRAHOV	10D	215 MHz	0,125 kW
PRAHA ZIZKOV	12C	227 MHz	20 kW

Map coverage

Covered 5,7 million inhabitants (outdoor)



The status of the 1. 9. 2016

www.digitalradiodab.cz

The operators of digital radio

DAB+
Digital Audio Broadcasting

RTI CZ
radio tele investment

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Whats a DAB?

Digital Audio Broadcasting (DAB) is a digital broadcasting technology for an area spreaded broadcasting of broadcasting stations. More over 500 million people worldwide are in the area of its broadcasting effect and more than 2000 broadcasting programs and multimedia services are broadcasted in total.

DAB is a way of broadcasting signals, similar to broadcasting a digital TV DVB-T. DAB+ is likely to be twice as effective as the regular DAB, since the regular one isnt using the audio codex AAC+. Its been introduced to the market in 2007. As with DVB-T, DAB/DAB+ offers broadcasting multiple broadcasting channels with different preferences. The introduction of DAB+ is a good opportunity also for minor music genres, to get to the listeners (public).

The advantages of the systém:

- A good quality of sounding techniques
- An easy choice of programs
- Excellent mobile receive
- Multimedial data follow
- Advanced option of multimedia and genre
- Energetic savings compared to FM broadcasting

Radios for receiving DAB+



www.radiodab.cz

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Operator of
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Detailed information

EPG	Electronic programic guide
BWS	Broadcast Web Site
DL	Dynamic Label (Texted information)
SLS	Slide Show (Pictured information)
IP	IP tunneling
EWS	Emergency Warning System

TPEG	Traffic Information
• RTM	Road Traffic Message
• PTI	Public Transport Info
• LOC	Localization
• PKI	Parking Information
• CTT	Congestion Travel Time
• TEC	Traffic Event Compact
• WEA	Weather

Basic principal:

- * Coding of the sound MPEG 2 (DAB)/ MPEG 4 (DAB+)
- * Modulation OFDM (Orthogonal Frequency Division Multiplexing)
- * Its using a 3rd television Band (174 - 230 MHz) or the L - Band (1452 - 1492 MHz)
- * 10 - 20 programmms could be contained in one multiplex (based on coding)

The history DAB

- 1980** Beginning of the evolution
- 1981** The Evolution was taken over by IRT
- 1985** The DAB show of on a conference in Geneva
- 1986** The European project EUREKA 147 was allowed
- 1988** First Broadcasting of DAB in „Geneva“ WARC 88
- 1992** The worldwide frequency allocations
- 1993** The Finish of projects tech. normalization of DAB
- 1995** 1.6. the first DAB broad. was introduced in Norway
 - England with BBC follow + other countries
 - First receivers on IFA in Berlin
 - World DAB Forum evolves
- 1996** Spreading of DAB broadcasting to other countries
- 1997** World DAB changes to World DMB Forum
- 2000** EUREKA 147 and World DMB Forum merge
- 2007** A better version of the systems DAB+ (AAC+)
- 2013** 1.5 million people listen daily to DAB / DAB+
- 2014** France and Poland start a digital broadcasting
- 2015** Czech Radio has its own multiplex in Prague
 - Austria and Slovakia started broadcasting DAB+
 - Norway informs about turning off FM in 2017
 - Over 2000 broadcasting stations broadcast worldwide and more than 46 000 receivers have been sold with the System DAB / DAB+
- 2016** The Czech government approved the draft development of terrestrial digital broadcasting Czech Radio.

DIGITAL RADIO
DAB+

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