

Factsheet for the national commercial DAB network operated by DAB Italia SCPA.

The DAB network operated by DAB Italia SCPA (“the network”) is one of the 3 national coverages provided by the Italian regulation. The other 2 networks are operated by Rai Way SPA for Rai and by EuroDAB Italia.

The Network carries currently 18 audio services, 16 of which are provided by DAB Italia shareholders. Another 2 services are broadcasted for external providers who have requested capacity on the multiplex. Also, a test channel is broadcasted in DAB classic for internal use.

All DAB+ services broadcast DLS and SLS.

Station logos via SPI are provided according to the latest standard version.

The network comprises of 228 transmitters currently on air. By end of 2024 another 11 transmitters will be put into operation, taking the coverage to nearly 90% of the Italian population (mobile outdoor). The indoor coverage (portable indoor) will reach at this point 68% of the population at least.

During 2025 the network will be expanded further to increase both outdoor and indoor coverage.

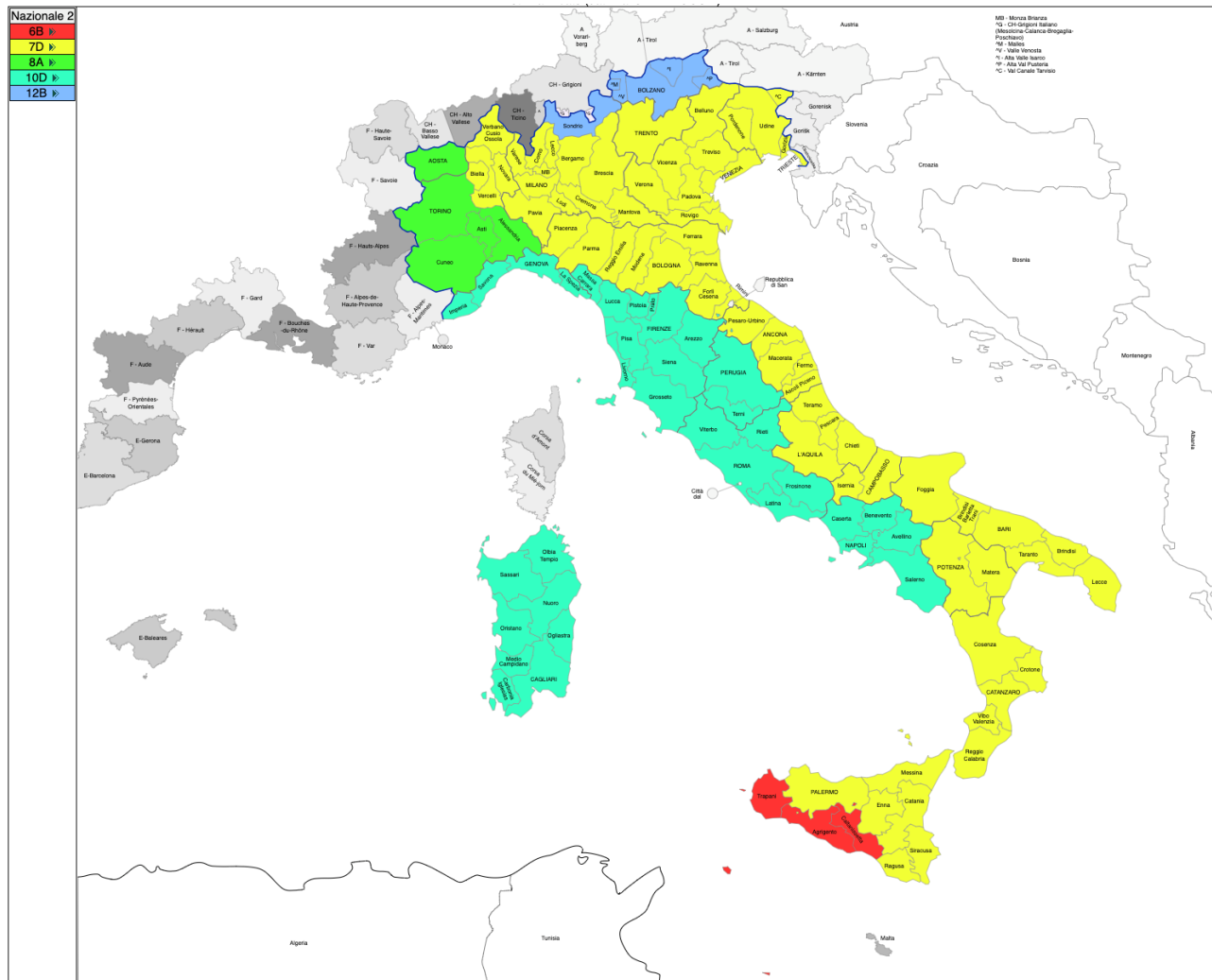
Around 70% of the radio listening in Italy is done in cars.

Currently Italy is implementing a new frequency plan, which has been published by the regulator AGCOM in 2022. This means that DAB Italia is moving its network from a pure SFN (on CH12C) to a k-SFN which uses 6 different channels in different geographical areas. The same applies to the other two national networks.

The three national networks are planned to ensure equivalent radio coverage, though with a differentiated frequency configuration due to the need to ensure efficient use of the radio spectrum, considering the availability of resources allocated to Italy.

The Italian authorities are also in the process of assigning the operational licenses to regional and local multiplexes. The plan includes 90 local networks, of which 54 networks have regional coverage (27 of which can be subdivided into sub-areas) and 36 networks with multi-provincial or provincial coverage.

Layout of the DAB Italia frequency allocation – national network N2



DAB Italia multiplex

Broadcast	k-SFN network					
	Ensemble	Channel		EID		
	DAB Italia	6B, 7D, 8A, 10D, 12B + 12C (in dismission)		5009		
Radio stations	Service	codec	SId	mode	Data Rate kbps	sample rate kHz
	Radio Maria	DAB+	51CC	Stereo SBR	48	48
	Radio Radicale	DAB+	5210	Stereo SBR	48	48
	Deejay	DAB+	5214	Stereo SBR	64	48
	R101	DAB+	5215	Stereo SBR	48	32
	Capital	DAB+	5219	Stereo SBR	64	48
	M DUE O	DAB+	5233	Stereo SBR	64	48
	Radio 24	DAB+	5245	Stereo SBR PS	48	48
	* RDS *	DAB+	5264	Stereo SBR	64	48
	105 DAB	DAB+	5286	Stereo SBR PS	48	48
	RMALB.IA	DAB+	52CC	Stereo SBR PS	48	48
	* RDS * Relax	DAB+	5281	Stereo SBR	32	32
	Capital Funky	DAB+	5285	Stereo SBR PS	32	48
	M DUE O DANCE	DAB+	5287	Stereo SBR PS	32	48
	Radio 24 + 1	DAB+	5282	Stereo SBR PS	48	48
	Deejay 30 Songs	DAB+	5283	Stereo SBR PS	32	48
	RR News	DAB+	5284	Stereo SBR PS	48	48
SERIE A con RDS	DAB+	5228	Stereo SBR	48	32	

		ACI Radio	DAB+	5227	Stereo SBR PS	48	48
		TEST	DAB	5288	Stereo	160	48
		EPG-SPI				32	
Audio		Encoding DAB & DAB+ datarates from 32 to 160 kbit/s					
Programme Type PTY		Yes					
DLS /DL+		DLS - Short X-pad DL+ - No - planned					
Slideshow		Yes					
Station Logos		Yes					
Traffic Information		No					
Announcement (TA)		No					
Other Ensemble Announcement (OE)		No					
Service Information	•	<ul style="list-style-type: none"> • Yes, frequency information (FIG 0/21) • Yes, other ensemble (FIG 0/24) 					
Service Following		Yes. FIG 0/21 is being used to determine alternate k-SFN frequencies to check when a receiver loose reception.					
Hardlinks		Yes					