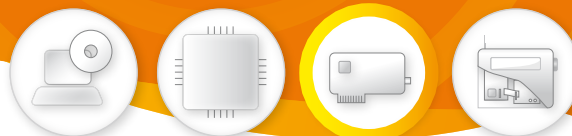


# Venice 6 FS2026

Module for Internet radio/network streaming/DAB/DAB+/FM



## Overview

The Frontier Silicon Venice 6 module is a complete hardware and software module solution for Internet radio, network streaming, DAB/DAB+ and FM-RDS products. It provides the simplest and lowest-cost solution for high-quality audio streaming from live Internet radio stations or network-based music collections.

Several configurations are available, with different combinations of integrated RF receivers for Wi-Fi networks, DAB Band 3, L-Band and FM reception.



Venice 6 - 45 x 113 mm, including snap-off Wi-Fi PCB antenna (left)

Based around Frontier Silicon's powerful Chorus 2 processor<sup>1</sup>, Venice 6 streams radio stations and music files in a variety of formats and protocols including AAC+, MP3, Real and WMA, enabling a new generation of stand-alone network-based audio products.

Frontier Silicon provides a complete set of evaluation and reference platforms<sup>1</sup>, which can be used to enable rapid development of Venice 6-based systems. Applications include a wide range of audio products, from kitchen and alarm clock radios to CD micro systems, boomboxes and HiFi tuners.

## Modes

- Live Internet radio broadcasts
- Internet radio "listen again" on-demand content
- Music streaming with playlist capability
- DAB Digital Audio Broadcast radio
- DAB+ with additional AAC+ codec
- FM radio reception with RDS
- Audio playback from USB/SD card

## Applications

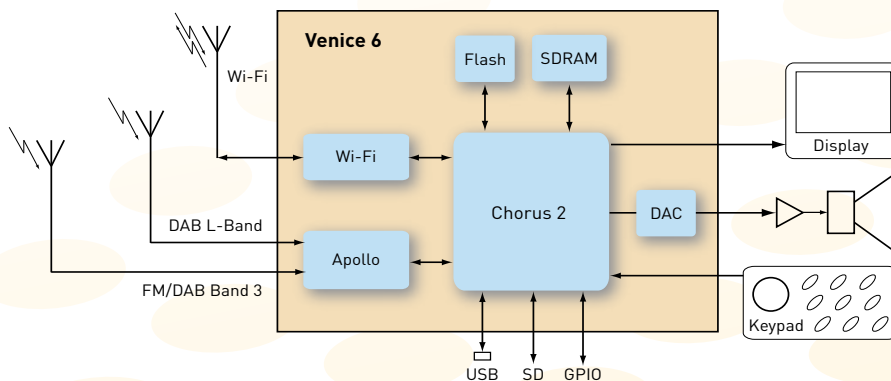
- Internet radios
- Kitchen radios
- Boomboxes
- Alarm clock radios
- CD micro systems
- HiFi tuners

## Connectivity

- USB 2.0 device/host
- 802.11b/g – WEP, WPA, WPA2 security
- On-board audio DAC with stereo analogue line output
- Digital audio output - I<sup>2</sup>S or S/PDIF
- LCD interface supports range of display types
- Infrared remote control
- Keyboard presets, rotary encoder
- Ethernet

## Features

- Automatically software upgradable in the field through Internet/Wi-Fi connection
- Simple registration and configuration via
  - remote control
  - front panel
  - Internet portal
- Clock/alarms
- UPnP support

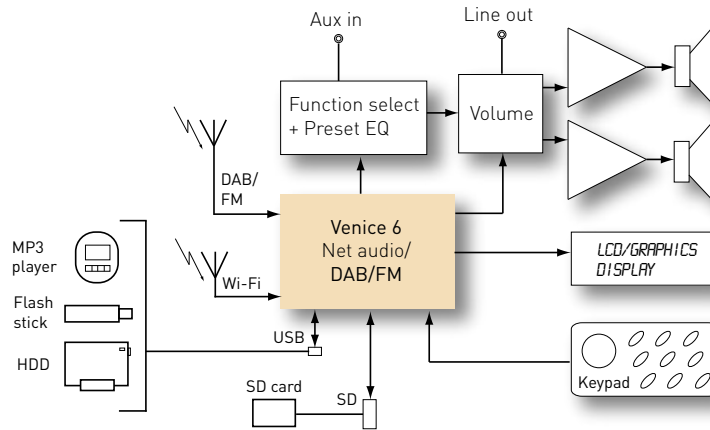


Venice 6 internal block diagram

<sup>1</sup> Product briefs available from website

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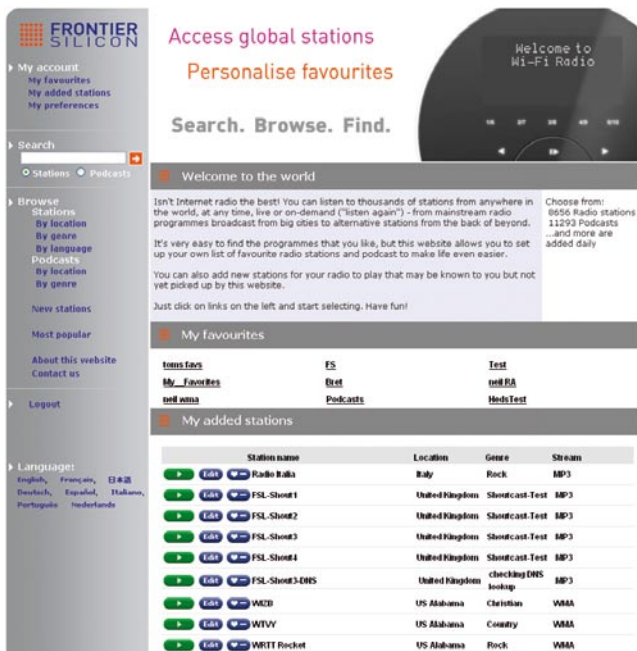
Typical Venice 6 application

## Web portal

Venice 6 is integrated with Frontier Silicon's feature-rich Wi-Fi radio web portal ([www.wifiradio-frontier.com](http://www.wifiradio-frontier.com)), providing alternative access and preset configuration for internet radio, podcast and listen-again services.

Each product end-user can customise the portal with their own musical preferences.

In addition, OEMs may produce their own branded version of the portal if required.



Frontier Silicon Wi-Fi radio portal

## User interface

The intuitive user interface enables search and browse of over 16 000 Internet radio stations plus a wide selection of podcasts, through just a few key presses.

The UI supports a wide variety of navigation options to browse the huge selection of stations, including search by:

- Favourites
- Location
- Genre
- New stations
- Most popular
- Podcast by location
- Podcast by genre

## Build options

Product code	Wi-Fi Net audio	DAB		FM
		L Band	Band 3	
FS2026-	W	•		
	WB	•		•
	WD	•	•	•
	WF	•		•
	B			•
	D		•	•

[www.frontier-silicon.com](http://www.frontier-silicon.com)

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