



Scalable software, available as server or VM installation

The core of our offer is the **aixtream** software itself, which is available as server or for a virtual environment. aixtream is also running on all Ferncast audio codecs and other hardware devices. Since it is independent of any particular hardware platform, it is perfectly customizable to your needs and infinitely scalable. Whatever audio transmissions you need to do, aixtream is a cost-effective solution to your requirements. From RTP and SIP, over OTT streaming to DVB, aixtream does everything. No matter your input, aixtream can get you the output you need.

Applications and Target Audience

Broadcasting

No matter the required volume, aixtream can handle as many inputs and outputs as you need, so you can concentrate all your audio transmission work in one machine. Input via AES67 and MADI is supported, so that a single instance of aixtream can cover the load of dozens of smaller audio codecs.

Digital Playout (OTT)

aixtream can handle many dozens of OTT streams or DVB transcodings with full support for all established streaming protocols (HLS, Icecast and more).

DVB Transcoder

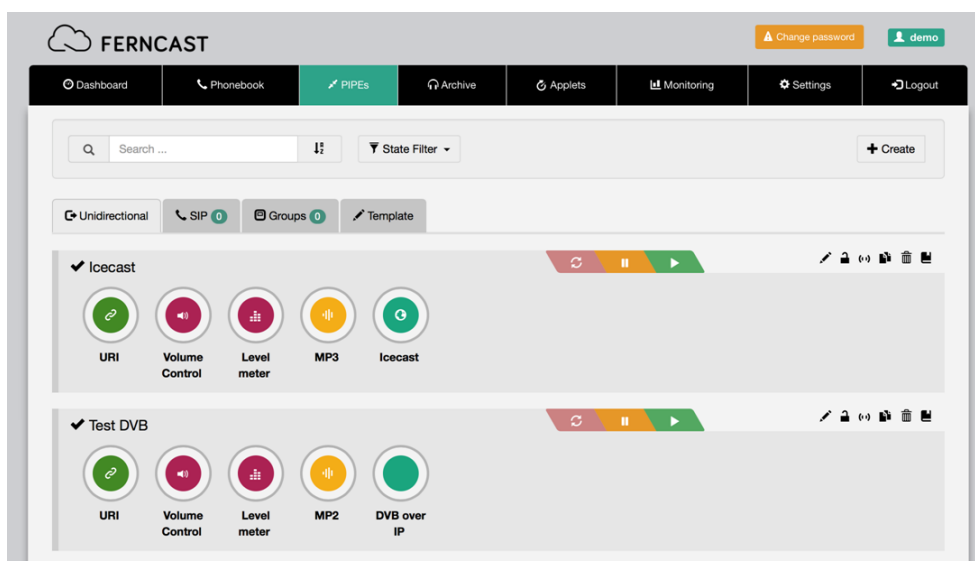
Perfect for multiple DVB transcodings via MPEG TS at a great price. More customizable and user-friendly than any conventional DVB transcoder.

Large Sounds Studios

A single aixtream installation can cover all your audio recording and transmission needs, while being accessible from anywhere via the net. Extensive user role control ensures that even multiple users accessing the same instance do not interfere with each other's operations.

Broadcast Hub/Concentrator

Perfect for a concentrator machine to receive (and potentially transcode) multiple streams from branch studios and OB vans. Now also with Dante Input/Output.



Specifications

Mode of Installation	<ul style="list-style-type: none"> • Full installation as operating system • Virtualization <ul style="list-style-type: none"> ◦ Virtualbox ◦ VMware ◦ ESXi ◦ QEMU ◦ CitrixHypervisor (formerly Xen) ◦ others on request
Operating System	Hardened Linux system, Ferncast custom
Supported Form Factor	All sizes supported, from NUC to multiple RU
Supported Audio I/O	<ul style="list-style-type: none"> • Analog • Digital (AES/EBU and MADI) • AES67/Ravenna • Dante • RTP and SIP • HLS, Icecast, DASH • DVB via MPEG TS
Supported Network I/O	<ul style="list-style-type: none"> • Ethernet and LTE supported <ul style="list-style-type: none"> ◦ Data ◦ Control
Recommended CPU	<ul style="list-style-type: none"> • Smallest applications: i5-7260U • Large-scale streaming or broadcasting: i7 8700 or greater
Recommended RAM	<ul style="list-style-type: none"> • Smallest applications: 8 GB • Large-scale streaming or broadcasting: 16 GB or greater
Recommended Storage	<ul style="list-style-type: none"> • 32 GB or greater
USB Input	<ul style="list-style-type: none"> • USB inputs supported
Algorithms	<ul style="list-style-type: none"> • Opus • MP2 • MP3 • AAC <ul style="list-style-type: none"> ◦ LC ◦ LD ◦ HE ◦ xHE • G.711 • G.722 • Vorbis • Linear • FLAC • AC-3
Other Features	<ul style="list-style-type: none"> • Audio Recording • Audio Visualization • File Encryption • Simultaneous Upload <ul style="list-style-type: none"> ◦ FTP ◦ HTTP ◦ rsync • Smart Control Applets <ul style="list-style-type: none"> ◦ Automatic email alerts ◦ Backup programming ◦ Special logging messages • Metadata Inserter • Interface Bonding • VPN • Online updates