

The new **fernReport™** aixtream on a RasPad

Sports / News / Current Affairs



NEW



SIP

flexUI

WiFi

LTE

5G

USB

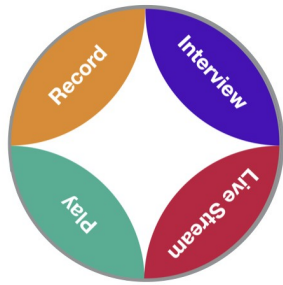
remote
access

DESIGN & CUSTOMIZE YOUR AUDIO LOGISTICS

Cutting edge software technology will improve your
workflow & reach more listeners

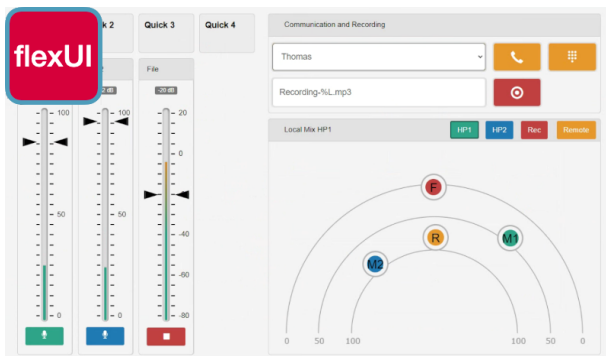
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LIVE STREAM, INTERVIEW, RECORD, PLAY AUDIO WITH FERNREPORT



Ferncast's new, revolutionary fernReport sets a new standard in remote contribution and broadcasting. It is portable, touch-controlled, small enough to be easily transported and still supports up to 3 headsets and up to 10 mono or stereo connections for interview, streaming, recording and playback — all at the same time to go live or produce and upload later, or even do both.

Take the fernReport to your remote site and with a single tap of your finger you are connected, ready to record and play. With the innovative flexUI any use case can be realized easily.



Ferncast's flexUI allows you to create interfaces according to your needs. Whether there is a single reporter, also a guest or even a party of three, all controls will reflect the corresponding situation. Customizable Smart Buttons perform user-defined quick actions, just with one finger tap. Fader controls and extensive local mixing with easy panorama monitoring are other helpful tools.

SIP

RTP

Connectivity according to EBU TECH3326 will guaranty compatibility and stability to your master control room. From OPUS over xHE AAC to mp3 or linear, all coding algorithms are available. RTP and SRT connections to non SIP devices is supported as well.

WiFi

ETH

Wifi and Ethernet give you access to the Internet, local network and remote network. Use it to stream and upload or as audio I/O for AES67, Ravenna, Livewire and any other audio via IP I/O. Setting up a VPN is also an option for secure access from the master control room.

LTE

5G

Access mobile networks via USB hardware or external routers. fernReport can communicate with a variety of devices, which are all supported. Network bonding is supported as well.

AUDIO PROCESSING AND SMART CONTROL WITH FERNREPORT

USB

Audio

fernReport offers three USB interfaces for connecting professional audio headsets, simple stereo USB and other USB audio interfaces.



An example of a straightforward setup would be three headsets and file playback. Each headset has its own fader for level control while each headphone is controlled via the local panorama mix section where audio signals can be easily adjusted so sounds come either more from the left, right or central.

**smart
Buttons**

Smart Buttons are a user friendly and easy to program way to automatize complex operations with a single finger tap. Examples are:

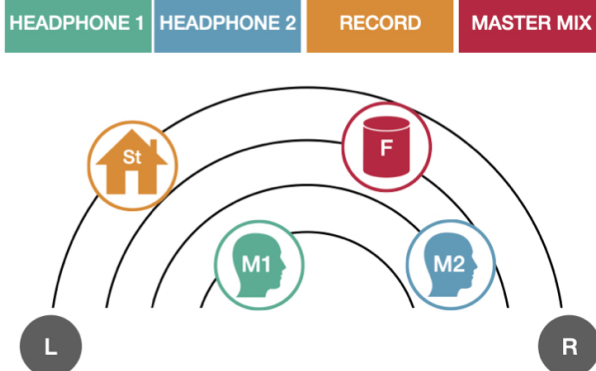
- Start multiple connections — multiple SIP calls, a file playback and recording.
- Start upload of the ongoing recording.
- Switch input signals for connections.

**Loudness
AGC, smooth
Delay**

One of the strengths of the fernReport is its extensive audio signal processing capabilities. From automatic gain control (AGC), limiter and loudness to our nextGen Smooth Delay adjustment, fernReport is roadworthy for all live situations.

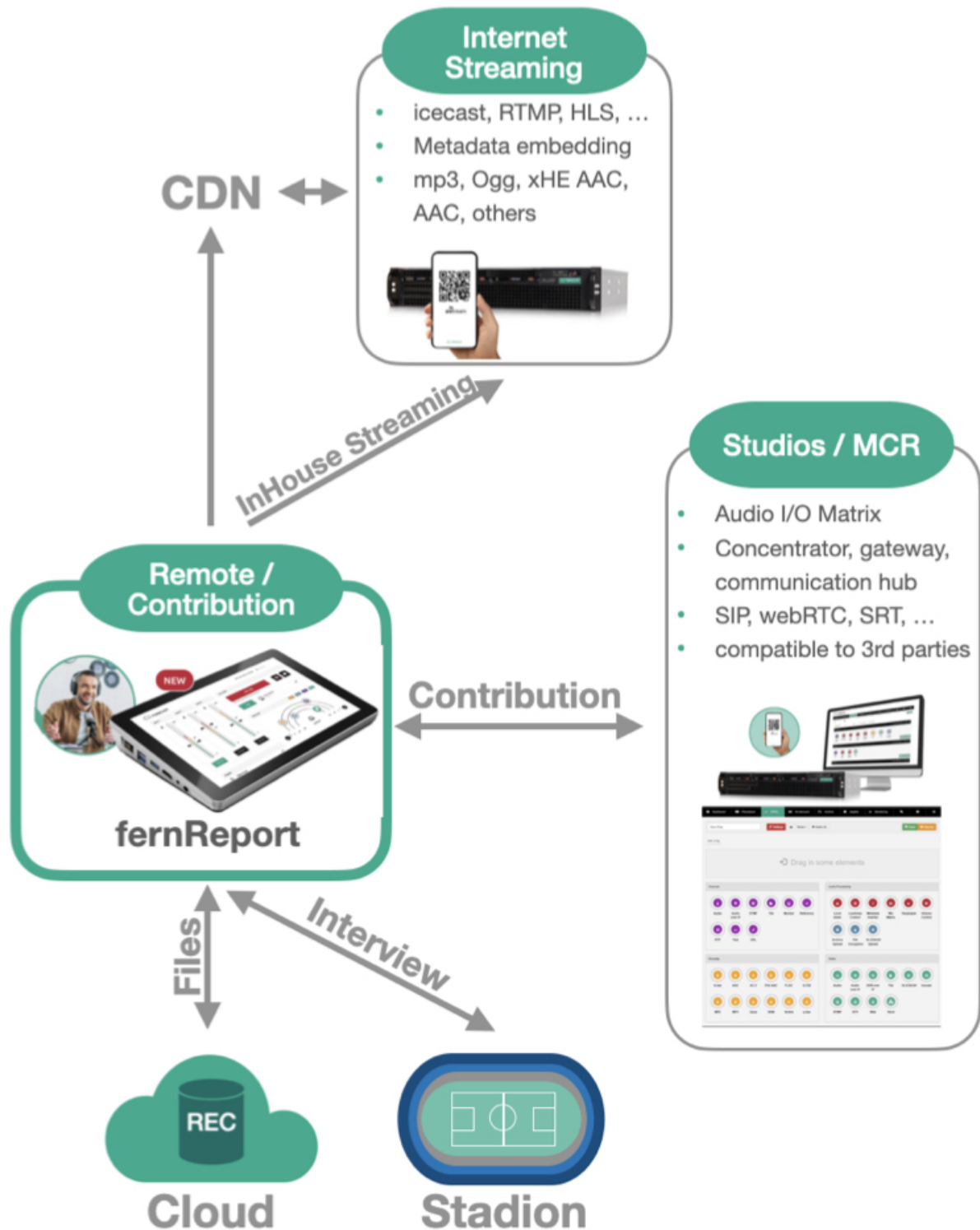
**remote
access**

Admins can control the fernReport on site or via remote access to support the reporter on site. The admins can operate the audio but also network settings or signal processing. This simplifies life for the reporter, who can focus on the content and avoid taking care of any technical issues.



Local mix settings control and monitor the mix of all available signals, such as headset microphones, recordings, any available file playback, the remote end, (e.g. the master control room) to receive instructions and, if available, the local ambience as well. The operator can do the optimal mix for themselves as well as for all other connected headsets, like co-moderators or guest-commentators. Remote control of the local mix is also possible.

APPLICATIONS WITH FERNREPORT



FERNREPORT TECHNICAL SPECIFICATION

Form factor, weight	Raspad 3, 270 mm x 127 mm x 47 mm, 0,9 kg
Battery, Power supply	Internal 4h battery time, extensible via external power banks
Touch panel	10.1 inch, 720 IPS
Connectivity	Wifi, Ethernet, optionally LTE, 4G/5G
Remote Access	via Ethernet or Wifi, for admin and technician access, VPN access also supported
Audio I/O	3x USB for USB headsets and audio interfaces
Sampling rate	8 kHz to 96 kHz
Algorithms and Transport	Opus, MPEG 2 Layer 2/3 (MP2, MP3), G.722, G.711, Linear, PCM, AES67, Ravenna, Livewire
Smart Buttons	Customize functionality with quick actions
Protocols	SIP, RTP, SRT, Icecast, HLS
File Playback	Single and playlist, recent recordings can be played back immediately
Mixing	up to three headsets, file playback, return channels

Ferncast GmbH
Gallierstrasse 41a
52074 Aachen
www.ferncast.com