



# PIKA R2 Logging



Create versatile and reliable voice logging solutions for passive and active scenarios for TDM and VoIP with the PIKA R2 logging API

With tens of thousands of ports deployed worldwide, PIKA's R2 offers very mature and reliable platform for voice logging with just 14 API calls to build your logging application. REST API enables developers to create custom logging solution without writing even a single line of C code. Call based (session) concurrent SIPREC and local recording option adds flexibility and increase robustness for critical calls. Optional access to full X2 SDK allows to construct very elaborate solutions if desired.

SIPREC is a standardized SIP based protocol (IETF) for recording voice and video sessions by actively forking the media from a Pika's logging platform to a passive recording server located in a cloud or a remote data center

**A Comprehensive set of API calls:** There are 14 API calls within the SDK which provides easy access to call logging functions.

- PKPL\_SYSTEM\_Open
- PKPL\_SYSTEM\_GetConfig
- PKPL\_SYSTEM\_SetConfig
- PKPL\_SYSTEM\_Start
- PKPL\_SYSTEM\_Stop
- PKPL\_SYSTEM\_Close
- PKPL\_SYSTEM\_SetEventUserData
- PKPL\_SYSTEM\_SetEventHandlers
- PKPL\_CALL\_Attach
- PKPL\_CALL\_Detach
- PKPL\_CALL\_MakeSipRecCall
- PKPL\_CALL\_DropSipRecCall
- PKPL\_CALL\_StartRecord
- PKPL\_CALL\_StopRecord



HOST MEDIA RECORDING

## Features

- SIPREC client
- SIPREC support for TDM calls
- Active and Passive logging
- VoIP, Analog and Digital call logging
- RTP, sRTP, SIP/TCP, SIP/UDP, SIP/TLS
- Early Media support
- Full Meta Data including Disconnection Cause
- Application control on per call basis
- Supported codecs: AMR-NB/WB, G.729, G.711, Opus
- Supported File Formats: GSM, uLaw, aLaw, Linear, Wave
- C/C++ API
- REST API
- JWT token authentication (REST)
- Event callback
- Windows and Linux support
- Live monitoring\*
- VAD, AGC
- High Density
- Container distribution system

\*Available with optional X2 SDK

## R2 Value Proposition

Pika R2 Call logging SDK is the newest release of Pika's HMP SDK with unique capabilities like REST API, SIPREC and passive VoIP logging.

REST API enables developers to create custom logging solutions without writing even a single line of C code and no need for specific knowledge on Linux. What's more, you can choose any language that supports REST API according to your preference. REST API also enables you to easily build distributed applications as the call logging functions and the application itself can run on different platforms. The programming effort is further simplified as we provide callbacks to notify you about events.

R2 supports all flavors of active and/or passive voice logging, including TDM with analog and digital interfaces and/or VoIP. With the help of SIPREC support, call flow and metadata for recording can be sent directly to an offsite location or to the Cloud. Since Pika supports TDM, as a unique feature, we can also record calls from Analog or Digital TDM interfaces to an SIPREC server.

R2 is providing more features in the means of privacy and security such as support for sRTP, SIP/TLS and token-based authentication based on JWT mechanism.

You can get Disconnection Reasons in the meta-data for in-depth analysis. Your application can behave differently depending on your criteria, since we allow to control all features on per call basis.

In addition to all these features you can record operator's prompts using Early Media Recording or access advanced audio functions like Pika's proprietary Voice Activity Detection (VAD) and Automatic Gain Control (AGC).

Since R2 is based on the brand new Pika X2, you could optionally extend the capabilities with full X2/HMP functionality and have access to full telephony API at REST and/or C/C++ level.

## About PIKA Technologies

Since 1987, PIKA Technologies has pioneered technology and products that enable global telephony, fax and communications solutions. PIKA's offerings include telephony appliances, board-level TDM products, mobile PBX, end-user applications and custom telecom development services. Known for exceptional voice quality, reliability and renowned customer service, PIKA enables developers, system integrators and businesses worldwide to take full advantage of advanced communication solutions. This includes products that support innovation in legacy and emerging telephony models, as well as solutions that bridge the path from TDM to VoIP and services in the cloud.

Pika has customers in more than 35 countries and numerous product and technology awards to its name.



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