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## Name

rd\_trimaudio — Rivendell Trim Audio C Library Function

## Synopsis

```
#include <rivwebcapi/rd_trimaudio.h>
```

```
int RD_TrimAudio(trimaudio[], hostname[], username[], passwd[],  
ticket[], cartnumber, cutnumber, trimlevel, user_agent[], numrecs);
```

```
struct rd_trimaudio * trimaudio[];  
const char hostname[];  
const char username[];  
const char passwd[];  
const char ticket[];  
const unsigned cartnumber;  
const unsigned cutnumber;  
const int trimlevel;  
const char user_agent[];  
unsigned * numrecs;
```

## Description

**RD\_TrimAudio** is the function to use to get the time pointer to the first and last instance of a particular level in a cut.

This function lists the first and last instance of a db level in a cut.

**Table 1. RD\_TrimAudio function call fields**

FIELD NAME	FIELD TYPE	MEANING	REMARKS
*cuts	Pointer to rd_trimaudio structure	Memory location to store trimaudio information	Mandatory
hostname	Character Array	Name Of Rivendell DB Host	Mandatory
username	Character Array	Rivendell User Name	Mandatory When NO Ticket Provided
passwd	Character Array	Rivendell User Password	Mandatory When NO Ticket Provided
ticket	Character Array	Rivendell Authentication Ticket	Mandatory When NO User/Password Pair Provided.
cartnumber	unsigned integer	Cart Number	Mandatory
cutnumber	unsigned integer	Cut Number	Mandatory
trimlevel	integer	Trim Level in 1/100 dB	Mandatory
user_agent	Character Array	User Agent Value put into HTTP request	Optional (default is Rivendell-C-API/x.x.x)

FIELD NAME	FIELD TYPE	MEANING	REMARKS
*numrecs	pointer to integer	memory location for number of records returned	Mandatory

When successful function will return the number of records sent (numrecs) and a rd\_trimaudio structure which is stored in the provided memory locations. The rd\_trimaudio structure has the following fields:

```
struct rd_trimaudio {  
    unsigned cart_number;  
    unsigned cut_number;  
    int trimlevel;  
    int starttrimpoint;  
    int endtrimpoint;  
};
```

## RETURN VALUE

On success, zero is returned. Using the provided parameters an rd\_trimaudio structure is returned and the number of records is returned.

If a server error occurs a -1 is returned. If a client error occurs a specific error number is returned.

## ERRORS

400 Missing Cart/Cut Number, Trim Level or Peak Data.

403 User Authentication Error.

404 Invalid Permissions or No Cart / Audio Exists.

nnn Unknown Error Occurred.