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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.