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## Name

rd\_import — Rivendell Import Audio C Library Function

## Synopsis

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

```
int RD_Import(import[], hostname[], username[], passwd[], ticket[],  
cartnumber, cutnumber, channels, normalization_level, autotrim_level,  
use_metadata, create, group[], title[], filename[], user_agent[],  
numrecs);
```

```
struct rd_cartimport *import[];  
const char hostname[];  
const char username[];  
const char passwd[];  
const char ticket[];  
const unsigned cartnumber;  
const unsigned cutnumber;  
const unsigned channels;  
const int normalization_level;  
const int autotrim_level;  
const int use_metadata;  
const int create;  
const char group[];  
const char title[];  
const char filename[];  
const char user_agent[];  
unsigned *numrecs;
```

## Description

**RD\_Import** is the function to use to import PCM/MPEG data into the audio store.

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

FIELD NAME	FIELD TYPE	MEANING	REMARKS
*import	Pointer to rd_cartimport structure	Memory location to store import information	Mandatory
hostname	Character Array	Name Of Rivendell DB Host	Mandatory When NO Ticket Provided
username	Character Array	Rivendell User Name	Mandatory
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
channels	unsigned integer	Number of Channels	Mandatory

FIELD NAME	FIELD TYPE	MEANING	REMARKS
normalization_level	integer	Normalization Level	Mandatory
autotrim_level	integer	AutoTrim Level	Mandatory
use_metadata	integer	Flag for whether to use Meta Data	Mandatory
create	integer	Create Cart Flag	Optional
group	Character Array	Rivendell Group Name	Mandatory IF Creating Cart
title	Character Array	Cart Title	Optional - If present used for Duplicate Cart Check
filename	character array	File Name For Source Audio	Mandatory
user_agent	Character Array	User Agent Value put into HTTP request	Optional (default is Rivendell-C-API/x.x.x)
*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\_cartimport structure which is stored in the provided memory locations. The rd\_cartimport structure has the following fields:

```
struct rd_cartimport{
    int response_code;                /* HTTP Response Code */
    char error_string[256];           /* Error Explanation */
    unsigned cart_number;             /* Destination Cart Number */
    unsigned cut_number;              /* Destination Cut Number */
};
```

## RETURN VALUE

On success, zero 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 Number / Cut Number Error.

400 Missing Input Parameter(s).

403 User Authentication Error.

404 Unauthorized, or No Such Cart/Cut/Group, or Duplicate Cart Titles Not Allowed.

415 Format Not Supported.

415 Conversion Settings/Format Error.

500 Conversion Error.

509 Format Error On Convert.

nnn Unknown Error Occurred.