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## Name

rd\_export — Rivendell Export Audio C Library Function

## Synopsis

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

```
int RD_Export(hostname[], username[], passwd[], ticket[], cartnumber,  
cutnumber, format, channels, sample_rate, bit_rate, quality,  
start_point, end_point, normalization_level, enable_metadata,  
filename[], user_agent[]);
```

```
const char hostname[];  
const char username[];  
const char passwd[];  
const char ticket[];  
const unsigned cartnumber;  
const unsigned cutnumber;  
const int format;  
const int channels;  
const int sample_rate;  
const int bit_rate;  
const int quality;  
const int start_point;  
const int end_point;  
const int normalization_level;  
const int enable_metadata;  
const char filename[];  
const char user_agent[];
```

## Description

**RD\_Export** is the function to use to export PCM/MPEG data from the audio store.

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

FIELD NAME	FIELD TYPE	MEANING	REMARKS
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
format	integer	Format	Mandatory
channels	integer	Number of Channels	Mandatory

FIELD NAME	FIELD TYPE	MEANING	REMARKS
sample_rate	integer	Sample Rate	Mandatory
bit_rate	integer	Bit Rate	Mandatory
quality	integer	Quality	Mandatory
start_point	integer	Start Point	Mandatory
end_point	integer	End Point	Mandatory
normalization_level	integer	Normalization Level	Mandatory
enable_metadata	integer	Flag for whether to enable Meta Data	Mandatory
filename	character array	File Name For Audio	Mandatory
user_agent	Character Array	User Agent Value put into HTTP request	Optional (default is Rivendell-C-API/x.x.x)

## 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 Invalid Input Parameter(s).

403 User Authentication Error.

404 No Source Audio Present.

404 Unauthorized or No Such Cart / Cut.

415 Invalid Settings.

500 Conversion Error.

nnn Unknown Error Occurred.