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## Name

rd\_addcart — Rivendell Add Cart C Library Function

## Synopsis

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

```
int RD_AddCart(cart[], hostname[], username[], passwd[], ticket[],  
group[], type[], cartnumber, user_agent[], numrecs);
```

```
struct rd_cart * cart[];  
const char hostname[];  
const char username[];  
const char passwd[];  
const char ticket[];  
const char group[];  
const char type[];  
const unsigned cartnumber;  
const char user_agent[];  
unsigned * numrecs;
```

## Description

**RD\_AddCart** is the function to use to add a cart to an existing Rivendell Database.

This function adds the cart number to the Rivendell database on hostname. Default values are used when the cart is created.

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

FIELD NAME	FIELD TYPE	MEANING	REMARKS
*rd_cart	Pointer to rd_cart structure	Memory location to store cart 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.
group	Character Array	Rivendell Group Name	Mandatory
type	Character Array	Cart Type	Mandatory
cartnumber	unsigned integer	Cart Number	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\_cart structure which is stored in the provided memory locations. The rd\_cart structure has the following fields:

```
struct rd_cart {
    unsigned cart_number;           /* Cart Number */
    unsigned cart_type;             /* Cart Type */
    char cart_grp_name[41];         /* Group Name */
    char cart_title[1021];          /* Cart Title */
    char cart_artist[1021];         /* Artist */
    char cart_album[1021];          /* Album */
    int cart_year;                  /* Year */
    char cart_label[257];           /* Label */
    char cart_client[257];          /* Client */
    char cart_agency[257];          /* Agency */
    char cart_publisher[257];       /* Publisher */
    char cart_composer[257];        /* Composer */
    char cart_user_defined[1021];   /* User Defined */
    int cart_usage_code;            /* Usage Code */
    int cart_forced_length;         /* Forced Length */
    int cart_average_length;        /* AverageLength */
    int cart_length_deviation;      /* Length Deviation */
    int cart_average_segue_length;  /* Average Segue Length */
    int cart_average_hook_length;   /* Average Hook Length */
    unsigned cart_cut_quantity;     /* Cut Quantity */
    unsigned cart_last_cut_played;  /* Last Cut Played */
    unsigned cart_validity;         /* Validity */
    int cart_enforce_length;        /* Enforce Length Flag */
    int cart_asynchronous;          /* Asynchronous Flag */
    char cart_owner[257];           /* Owner */
    struct tm cart_metadata_datetime; /* Metadata Datetime */
    char cart_notes[4098];          /* Notes */
};
```

All character arrays above are the sizes listed and are null-terminated. Character encoding is UTF-8.

The cart number is a unsigned integer.

The cart\_type is 1=Audio,2=Macro. The default is Audio(1).

The cart\_grp\_name must be a valid Rivendell DB Group.

The cart\_title is 255 characters Default is [new cart].

The cart\_artist is 255 characters. Default is NULL.

The cart\_album is 255 characters. Default is NULL.

The cart\_year is a date (YYYY). Default is NULL.

The cart\_label is 64 characters. Default is NULL.

The cart\_client is 64 characters. Default is NULL.

The `cart_agency` is 64 characters. Default is NULL.

The `cart_publisher` is 64 characters. Default is NULL.

The `cart_composer` is 64 characters. Default is NULL.

The `cart_user_defined` is 255 characters. Default is NULL.

The `cart_usage_code` is 0=Feature (Default), 1=Theme Open,  
2=Theme Close, 3=Theme Open/Close,  
4=Background, 5=Comm/Promo

The `cart_forced_length` is in milliseconds. Default is 0.

The `cart_average_length` is in milliseconds. Default is 0.

The `cart_length_deviation` is in milliseconds. Default is 0.

The `cart_average_segue_length` is in milliseconds. Default is 0.

The `cart_average_hook_length` is in milliseconds. Default is 0.

The `cart_cut_quantity` is number of cuts. Default is 0.

The `cart_last_cut_played` is self explanatory. Default is 0.

The `cart_validity` is 0=NeverValid, 1=Conditional, 2=AlwaysValid (Default)  
3=EvergreenValid, 4=FutureValid

The `cart_enforce_length` is True(1) or False(0). Default is False(0).

The `cart_asynchronous` is True(1) or False(0). Default is False(0).

The `cart_owner` is 64 characters. Default is NULL.

The `cart_metadata_datetime` is in tm struct format. Default is NULL.

The `cart_user_notes` is a character array up to 1024 characters. Default is N

## RETURN VALUE

On success, zero is returned. Using the provided parameters an `rd_cart` 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 Invalid Parameter for GROUP or TYPE.

400 Cart Already Exists.

403 User Authentication Error.

404 No Such Group Exists or Cart Out Of Range.

500 Unable to Create Cart.

nnn Unknown Error Occurred.