Remote Control Owner's Manual

MODELS

RC-205

RC-210

RC-220

with **HOT-KEYS**™

Second Edition

SERIAL NUMBER: _____

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INTRODUCTION

DigiCart offers three desk-top Remote Controls for a wide range of operations. Each provides a small foot print while delivering access to DigiCart's advanced features. Hot-Keys™ PRESETS allow instant one-stroke playback of assigned Cuts or Stacks (Playlists). FIND operations permit quick access to any Cut or Stack. MAKE- and VIEW PLAYLIST bring convenient STACK operations to the RC-210/220.

The RC-205 Mini-Keyboard connects to the Alpha Keyboard port on DigiCart's rear panel. For RC-205, make sure the SETUP MENU — KEYBOARD TYPE is selected to MINI.

The RC-210/220 Remote Control models use the Serial Port 2 connector. Use the SETUP MENU — REMOTE CONTROL to choose ADDRESS 01.

For all models, the Remote Control should be connected before powering up the DigiCart. If the Remotes are connected after the DigiCart's power is turned on, simultaneously press the SEC and FILE XFER (DNET XFER on DigiCart/II Plus) buttons on the DigiCart's front panel. This will "soft boot" the DigiCart and re-initialize the system.

This manual includes information about all remote control models designed to work with DigiCart and DigiCart/II. Please refer to the section relating to your specific model.

System Requirements

- DigiCart/I or DigiCart/II equipped with internal hard disk.
- DigiCart Version 2.2 and above firmware.

RC-205 MINI KEYBOARD

The RC-205 Mini Keyboard provides remote access to all DigiCart functions, plus the full range of up to 104 PRESETS. The RC-205 also allows use of the FIND function for Cut and Stack Names and Indexes.

The RC-205 functions in the same manner as a standard AT-type 101 keyboard but does so with fewer keys by doubling up on key functions. That is, certain keys have a secondary function that is available by using the FN key in conjunction with the double function key. For example, the number keys share functions with alpha keys and can be accessed by employing the NUM LOCK mode. Also, the FN key can be used to access the secondary level functions.

The upper row of Function Keys are assigned to specific chores dealing with DigiCart transport controls, menu selection, and other operational functions.

The RC-205 allows easy titling and renaming chores as well as other functions that deal with alpha and numeric finding of cuts and stacks. It works very nicely along with the RC-210 or RC-220 in creating an excellent human interface to the DigiCart; in fact, this three-way access to audio information makes for optimum convenience and efficiency in operations.

Note: Early versions of DigiCart and DigiCart/II firmware do not employ the F5 key for the FIND function. On these units, access to the FIND function is available by holding the FN key and pressing the "+" key (show in blue letters on the front side of the ": ;" key) — located in the second row of keys.

ARROW KEY FUNCTIONS

The cursor keys on the RC-205 duplicate the SELECT KNOB and POSITION ARROWS on the front panel of the DigiCart.

- The UP and DOWN arrows duplicate the functions of the SELECT KNOB on the DigiCart.
- The RIGHT and LEFT arrows duplicate the functions of the POSITION ARROWS on the DigiCart.

FIND OPERATIONS

Using the RC-205, you can readily FIND any Cut or Stack by Name or Index number.

TO FIND BY INDEX

1. Press the FIND key (F5).

2. The DigiCart screen will display:

```
FIND  (Blinking Cursor)
HH:MM:SS              48K  AC-2
```

> *Note: The information on the bottom line pertains to the current Selection.*

3. Enter the Index number for the Cut or Stack you wish to locate. Press the "S" key to indicate Stack Directory.

4. Press ENTER.

5.	DigiCart will instantly cue up to the index number you entered. Press PLAY to Play the Cut or enter it into a Stack (see Chapter 4 of your DigiCart Owner's Manual).

Note:	*For Cuts in the current Directory, you only need to enter the last three digits of the Index. For Cuts in other Directories, use the last four digits of the Index.*

For Cuts on the current Drive, only enter the last four digits of the Index. For Cuts on other Drives, use the full five-number Index.

The " . " separator is not needed with the FIND function.

TO FIND BY NAME

1. Press the FIND key (F5).

2. The DigiCart screen will display:

```
FIND  (Blinking Cursor)
HH:MM:SS            48K   AC-2
```

> ***Note:*** *The information on the bottom line pertains to the current Selection.*

3. Type in the Name for the Cut or Stack you wish to locate.

> ***Note:*** *You do not have to enter the complete Name of the Cut or Stack. You can FIND BY NAME by typing in only as much of the Name as makes the Cut or Stack Name . For example: If there is a cut Named BOSTON, just type in "BOS".*
>
> *You can also use the Find By Name function for Cuts whose Names begin with a number.*

4. Press ENTER.

5. DigiCart will instantly cue up to the first Cut or Stack that matches the Name you entered.

> ***Note:*** *The FIND BY LABEL function is progressive, starting at Directory "0" on the Bernoulli disk and going through to Directory "9" on the internal hard disk.*
>
> *The Name-matching function follows a logical sequence, beginning with the "0" Directory on the "0" Drive. The FIND function searches through this Directory first for any matches, then it search through the "1" Directory on the "0" Drive, and so on. If it does not find a match on the "0" Drive, it starts searching in the "0" Directory for the "1" Drive.*
>
> *Once you have found the first match, you can use the FIND function again for the same name, and DigiCart will FIND the next match in this logical sequence of Drives and Directories.*

6. Press PLAY to Play the Cut or enter it into a Stack (see Chapter 4 of your DigiCart Owner's Manual).

PRESET OPERATIONS

The PRESET function lets you assign a Cut or Linear Stack to the RC-205 letter keys. When assigned, the selection will PLAY immediately when you press the associated Hot Key, or PRESET. A-Z are 26 single-stroke Hot Keys. Shift—, Alt— and Ctrl—A-Z may contain 78 additional PRESETS instantly accessed by compound keystrokes.

The terms Hot Key and PRESET are used interchangeably in this manual.

There are certain important conditions that apply when working with PRESETS:

- All Cuts (and Cuts contained in Stacks) assigned to PRESETS must be recorded in the Dolby AC-2 format.

- All Cuts (and Cuts contained in Stacks) assigned to PRESETS must be stored on the hard disk.

- PRESETS are subject to the currently selected RESTART MODE under the SETUP MENU — IMMEDIATE or ON COMPLETION.

- Your DigiCart must be equipped with 8 MB RAM in order to use all 104 possible PRESETS. A standard unit with 4 MB RAM allows access to 52 PRESETS.

- The RC-205's Scroll Lock must be ON to play PRESETS.

ASSIGNING A SINGLE PRESET

1. SELECT or FIND a Cut or Linear Stack on the hard disk.

2. Press UTILITY MENU (F1) and select the ASSIGN PRESET function.

3. Press ENTER. The display will show:

```
PRESET      1       A
UNASSIGNED
```

4. Use the SELECT arrows to choose an alphabet letter for the PRESET you wish to assign.

5. Press ENTER. The selected Cut or Stack is now assigned to the key.

> *Note*: *It is not necessary to Clear a PRESET before reassigning it.*

6. With the SCROLL LOCK function ON, press the key you selected to play the PRESET.

ASSIGNING PRESETS IN GROUPS

You can assign Cuts or Stacks within a single Directory in sequential order all at once.

- The assignment order is determined by the current SORT BY selection under the SETUP MENU. If SORT BY is set to INDEX, the PRESETs will be assigned in Index order, beginning with the currently selected Cut or Stack. If SORT BY is set to NAME, the PRESETs will be assigned in alphabetical order, beginning with the currently selected Cut or Stack.

- All available PRESETs will be assigned in order, with no breaks or skips for missing Index numbers. That is, you don't have to use a Directory with the first 104 Index numbers in use. DigiCart will ignore any unfilled Index locations and assign all Cuts in order for as many Presets as your system has available.

- Group assignments start with the currently selected Cut or Stack. For example, if you are cued up to Cut Index 100 (and SORT BY is set to INDEX), the PRESET assignments will start with Index 100 assigned to PRESET A-1. The next available Cut (probably Index 101) will be assigned to PRESET B-2, and so on.

Follow these steps to assign groups of Presets:

1. Use the SELECT and POSITION Arrows or FIND operations to locate the *first* Cut or Linear Stack you wish to assign.

2. Press the Left POSITION ARROW to go to the Directory Layer.

3. Press UTILITY MENU (F1) and select ASSIGN PRESET.

4.   Press ENTER.

The display will show:

```
┌─────────────────────────────────────┐
│                                     │
│   PRESET      1        A            │
│   UNASSIGNED                        │
│                                     │
└─────────────────────────────────────┘
```

6.   Press ENTER again. All available PRESETs will be assigned in sequential beginning with the Cut or Stack you started with in Step 1.

> ***Note:***   *The assignment process will continue until all available PRESETs are assigned or all available Cuts or Stacks in the Directory are assigned. The group assignment function does not wrap around to the beginning of the Directory.*

VIEWING PRESETS

You can examine the assigned PRESETS by entering the ASSIGN PRESET or CLEAR PRESET mode.

1.   Select ASSIGN PRESET or CLEAR PRESET from the UTILITY MENU.

2.   Press ENTER.

3.   Use the SELECT Arrows to scan PRESETS. The lower line of the display shows ID and NAME (if labeled) of assigned items.

4.   Press CANCEL (ESC) to exit the View Preset mode.

PLAYING PRESETS

1.   Turn Scroll Lock ON to play PRESETS.

2.   Press any assigned key (or Shift—, Ctrl—, or Alt— combination) to play a PRESET.

> ***Note:***   *The SETUP MENU'S RESTART MODE — IMMEDIATE or ON COMPLETION — affects the playing of PRESETS.*

CLEARING PRESETS

    1.   Press UTILITY MENU (F1) and select CLEAR PRESET.

    2.   Press ENTER.

    3.   SELECT the PRESET you want to clear.

    4.   Press ENTER to CLEAR the PRESET.

> ***Note****:   You may CLEAR multiple PRESETS in the current Directory by entering the CLEAR PRESET mode from the DIRECTORY Layer. Clearing begins with first the PRESET number shown on the display.*

STACK OPERATIONS

CREATING AND PLAYING A QUICKSTACK

Quickstacks are not stored in the DigiCart; they are for one-time only use.

    1.   Press PAUSE. The Pause LED on the DigiCart will illuminate.

    2.   Use the SELECT and POSITION Arrows or FIND operations to choose a Cut or Stack.

    3.   Press PLAY to add the first Item to the QuickStack.
(It is not necessary to press PLAY to add more cuts when using the FIND function.)

    4.   Repeat steps 2 and 3 as needed to add more selections.
(When using the FIND function to select more cuts, it is not necessary to press PLAY to enter them into the Stacks.)
The Play light will begin to blink, indicating more than one Item for Follow-On Play. The display will show:

```
X.XXXX          (Name)
X               HH:MM:SS
```

> ***Note:****   The number under ID counts the Items in the QuickStack. The time is total QuickStack duration.*

    5.   Press PAUSE to Play the QuickStack.

CREATING, STORING, AND PLAYING
LINEAR OR ROTATING STACKS

Linear Stacks and Rotating Stacks are stored in the DigiCart. You can select and play these types of Stacks just like any Cut. You can even assign a Linear Stack to a PRESET.

1. Press PAUSE. The Pause LED on the DigiCart will illuminate.

2. Use the SELECT and POSITION Arrows or FIND operations to choose a Cut or Stack.

3. Press PLAY to add the first Item to the Stack.

4. Repeat steps 2 and 3 as needed to add more selections. The Play light will begin to blink, indicating more than one Item for Follow-On Play. The display will show:

```
X.XXXX          (Name)
X               HH:MM:SS
```

> *Note:*   *The number under ID counts the Items in the QuickStack. The time is total Stack duration.*

5. Press ENTER to save the Stack. The display will prompt:

```
LINEAR
SELECT WITH ARROWS
```

6. Use the POSITION ARROWS to select LINEAR or ROTATING.

7.   Press ENTER to save the Stack. The display will read:

```
┌─────────────────────────────────┐
│  X.SXXX(L/R)                     │
│                   NEWSTK_XX      │
│  X                               │
│  X                HH:MM:SS       │
└─────────────────────────────────┘
```

> ***Note:***   *The Stack Index will end with the letter "L" for Linear Stacks. It will end with the letter "R" for Rotating Stacks.*

8.   Use CHANGE NAME to give the Stack a new name.

VIEWING A STACK'S CONTENTS

Press the STACK button (F4) to view a Stack's contents. Step through the list using either the SELECT or POSITION ARROWS.

This process may be used to reset the *next* Item in a ROTATING STACK. Press STACK (F4) again to exit.
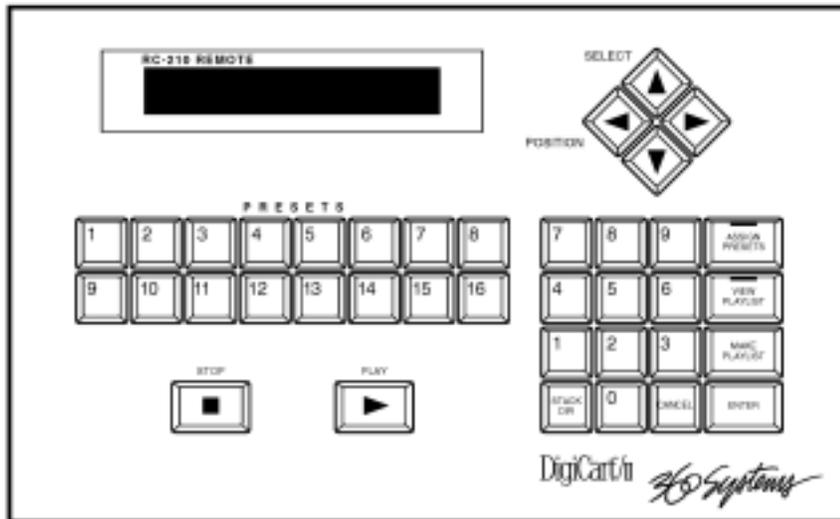
RC-210 Remote Control — *Play Only*

The RC-210 Remote Control is designed expressly for on-air playback operations. It provides rapid access to Cuts and Stacks while preventing accidental loss of material. You cannot access any destructive functions for the DigiCart using the RC-210 Remote Control.

You can build and play Quickstacks using the MAKE PLAYLIST key.

You can access up to 16 Presets for instant playback of Cuts or Linear Stacks.

FIND operations are available by ID number on the numeric keypad. The STACK DIR key gives instant access to the Stack Directory.

Connecting the RC-210 to Your DigiCart

The RC-210 Remote Control models uses the Serial Port 2 connector on the rear panel of the DigiCart. Use the interconnect cable that came with your RC-210 to connect it to the DigiCart.

DC power for the Remote Control is supplied from a small wall-mount transformer. Notice that this transformer should be plugged into AC power near the DigiCart end of the cable. At the Remote Control end, plug the small male DC power connector on the cable into the DC power input on the rear panel of the Remote Control.

For cable runs longer than 25 feet (8 meters), you should connect the DC transformer directly into the rear panel of the Remote Control. This prevents problems resulting from voltage drops or current loss over a long cable run.
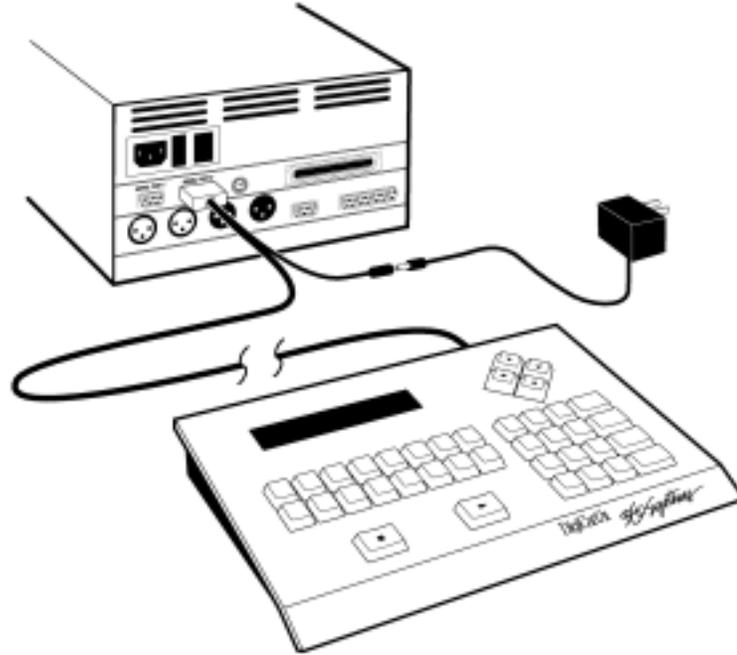
CABLE INTERCONNECTION BETWEEN RC-210 AND DIGICART

Check the REMOTE ADDRESS selection under the SETUP MENU on the DigiCart. This should be set to ADDRESS 01 for the RC-210.

The Remote Control should be connected before powering up the DigiCart. If the Remote is connected after the DigiCart's power is turned on, simultaneously press the SEC and FILE XFER (DNET XFER on DigiCart/II Plus) buttons on the DigiCart's front panel. This will "soft boot" the DigiCart and re-initialize the system.

ARROW KEY FUNCTIONS

The cursor keys in the upper right had corner of the RC-210 duplicate the SELECT KNOB and POSITION ARROWS on the front panel of the DigiCart.

- The UP and DOWN arrows duplicate the functions of the SELECT KNOB on the DigiCart.
- The RIGHT and LEFT arrows duplicate the functions of the POSITION ARROWS on the DigiCart.

FIND OPERATIONS

By using the numeric keypad, you can instantly Find any Cut or Stack by its Index number. Cuts in the current directory only require entry of their Cut number. For Cuts in other Directories, use the full four-number Identifier. For Cuts on other Drives, use the full five-number identifier. The " **.** " separator is provided automatically.

TO FIND A CUT

1. Enter the first digit of the Index number for the Cut you wish to locate.

   Note: *You do not need to press any special key to initiate the Find process. Once you press any key on the numeric keypad, the Remote Control assumes you wish to Find a Cut.*

2. The Remote Control screen will display:

   ```
   FIND CUT  (Blinking Cursor)
   HH:MM:SS          48K  AC-2
   ```

   Note: *The information on the bottom line pertains to the current Selection.*

3. Complete the entry of the Index number for the Cut you wish to locate.

4. Press ENTER.

5. DigiCart will instantly cue up to the Index number you entered. Press PLAY to Play the Cut or enter it into a Stack (see "STACK OPERATIONS" below.)

   Note: *For Cuts in the current Directory, you only need to enter the last three digits of the Index. For Cuts in other Directories, use the last four digits of the Index.*

   For Cuts on the current Drive, only enter the last four digits of the Index. For Cuts on other Drives, use the full five-number Index.

   The " . " separator is not needed with the FIND function.

6. Repeat as necessary for Follow-On Play or press CANCEL to exit.

TO FIND A STACK

1. Press the STACK DIR key on the Remote Control.

   Note*: You do not need to press any special key to initiate the Find process. Once you press any key on the numeric keypad, the Remote Control assumes you wish to Find a Cut or a Stack.*

2. The Remote Control screen will display:

   ```
   FIND STACK  (Blinking Cursor)
   HH:MM:SS              48K  AC-2
   ```

   Note:* The information on the bottom line pertains to the current Selection.*

3. Complete the entry of the Index number for the Stack you wish to locate.

4. Press ENTER.

5. DigiCart will instantly cue up to the Stack with the Index number you entered. Press PLAY to Play the Stack or enter it into a Stack (see "STACK OPERATIONS" below.)

   Note: *if you are already logged onto the Stack Directory, you only need to enter the last three digits of the Index.*

   The " . " separator is not needed with the FIND function.

6. Repeat as necessary for Follow-On Play or press CANCEL to exit.

PRESET OPERATIONS

The PRESET function lets you assign a Cut or Linear Stack to the 16 PRESET buttons on the RC-210. When assigned, the selection will PLAY immediately when you press the associated Hot Key, or PRESET.

The terms Hot Key and PRESET are used interchangeably in this manual.

There are certain important conditions that apply when working with PRESETS:

- All Cuts (and Cuts contained in Stacks) assigned to PRESETS must be recorded in the Dolby AC-2 format.

- All Cuts (and Cuts contained in Stacks) assigned to PRESETS must be stored on the hard disk.

- PRESETS are subject to the currently selected RESTART MODE under the SETUP MENU — IMMEDIATE or ON COMPLETION.

ASSIGNING PRESETS

1. Press the ASSIGN PRESET button on the Remote Control. The display will show:

    ```
    X.XXXX              (Name)
    SELECT PRESET
    ```

    Note: The information on the top line refers to the currently selected Cut or Stack.

2. SELECT or FIND a Cut or Linear Stack on the hard disk.

3. Press the PRESET key you wish to assign.

    NOTE: It is not necessary to Clear a PRESET before reassigning it.

4. Repeat steps 2 and 3 as necessary.

5. Press CANCEL to exit the ASSIGN PRESETS function.

PLAYING PRESETS

1. Press any white PRESET key to play back an assigned PRESET.

    > ***Note:*** *The SETUP MENU'S RESTART MODE — IMMEDIATE or ON COMPLETION — affects the playing of PRESETS.*

2. To preview a PRESET, press the PAUSE button, then the PRESET button of choice. The display will read its name. If the selection is correct, push the PAUSE button again and the cut will play immediately.

STACK OPERATIONS

CREATING AND PLAYING A QUICKSTACK

Quickstacks are not stored in the DigiCart; they are for one-time only use.

1. Press MAKE PLAYLIST. The Pause LED on the DigiCart will illuminate.

2. Use the SELECT and POSITION Arrows or FIND operations to choose a Cut or Stack.

3. Press ENTER to add the first Item to the QuickStack.

4. Repeat steps 2 and 3 as needed to add more selections. The Play light will begin to blink, indicating more than one Item for Follow-On Play. The display will show:

```
┌─────────────────────────────────────┐
│  X.XXXX            (Name)            │
│  X                 HH:MM:SS          │
└─────────────────────────────────────┘
```

> ***Note:*** *The number under ID counts the Items in the QuickStack. The time is total QuickStack duration.*

5. Press MAKE PLAYLIST again to release PAUSE and begin playback of the QuickStack.

CREATING, STORING, AND PLAYING
LINEAR OR ROTATING STACKS

Linear Stacks and Rotating Stacks are stored in the DigiCart. You can select and play these types of Stacks just like any Cut. You can even assign a Linear Stack to a PRESET.

1. Press MAKE PLAYLIST. The Pause LED on the DigiCart will illuminate.

2. Use the SELECT and POSITION Arrows or FIND operations to choose a Cut or Stack.

3. Press ENTER to add the first Item to the Stack.

4. Repeat steps 2 and 3 as needed to add more selections. The Play light will begin to blink, indicating more than one Item for Follow-On Play. The display will show:

```
X.XXXX          (Name)
X               HH:MM:SS
```

> *Note:* *The number under ID counts the Items in the QuickStack. The time is total Stack duration.*

5. Press the STACK DIR button to save the Stack. The display will prompt:

```
LINEAR
SELECT WITH ARROWS
```

6. Use the POSITION ARROWS to select LINEAR or ROTATING.

7. Press ENTER to save the Stack. The display will read:

```
X.SXXX(L/R)     NEWSTK_XXX
X               HH:MM:SS
```

> *Note:* *The Stack Index will end with the letter "L" for Linear Stacks. It will end with the letter "R" for Rotating Stacks.*

8. Use CHANGE NAME to give the Stack a new name.

VIEWING A STORED STACK'S CONTENTS

You can check the contents of a Stack before you play it, or even examine it while the Stack is playing. To view the items a Stored Stack, follow these steps:

1. Select the Stack you wish to examine. The screen will show:

```
X   X.XXXX          (Name)
HH:MM:SS            48K  AC-2
```

> ***Note:***   *The number in the upper left corner shows the Item's position in the Stack. The rest of the top line shows the Index number and Name for the selected Stack. The bottom line of the display shows the total time of the Stack.*

2. Press VIEW PLAYLIST.

3. Use the SELECT Arrows to step through the STACK.

4. Press VIEW PLAYLIST to exit.

> ***NOTE:***   *VIEW PLAYLIST may be used to set the* next *Item for Play in a ROTATING STACK.*

VIEWING ITEMS IN A STACK WHILE PLAYING

1. Press VIEW PLAYLIST while the list is playing. The screen will show:

```
X   X.XXXX          (Name)
(Name Playing)      MM:SS
```

> ***Note:***   *The number in the upper left portion of the screen shows the position of the Cut or Stack displayed on the top line. A "1" indicates that the item displayed in next in the sequence. A "2" indicates that the item displayed is the second-to-follow, and so on.*
>
> *The bottom line of the display shows the name and time information for the Cut currently playing.*

2. Use the SELECT Arrows to advance the upper line information. You can look ahead to view Index and Name information about all events yet to play in the Stack.

RC-220 Remote Control — *Full Function*

The RC-220 is a full-featured Remote Control suitable for desk-top production activities. It provides access to all DigiCart functions.

Expanded PRESET operations are available via the UTILITY MENU.

You can control up to four individual DigiCarts with the RC-220.

You can build and play Quickstacks using the MAKE PLAYLIST key.

You can access up to 16 Presets for instant playback of Cuts or Linear Stacks.

FIND operations are available by ID number on the numeric keypad. The STACK DIR key lends ready access to the Stack Directory.

Connecting the RC-220 to Your DigiCart(s)

The RC-220 Remote Control models uses the Serial Port 2 connector on the rear panel of the DigiCart. Use the 9-pin interconnect cable assembly that came with your RC-220 to connect it to the DigiCart.

DC power for the Remote Control is supplied from a small wall-mount DC power supply. Note that this power supply should be plugged into AC power near the DigiCart end of the cable. A short pig-tail cable with a female coax connector exits from the 9-pin connector hood and is assigned to receive power from the wall mount power supply.

(Early models of RC-210/220 may not have the proper cable assembly that allows powering to take place at the DigiCart end. Subsequently, the power must be connected directly at the RC-210/220.)

For cable runs longer than 25 feet (8 meters), you should connect the DC power supply directly into the rear panel of the Remote Control. This prevents problems resulting from voltage drops or current loss over a long cable run.
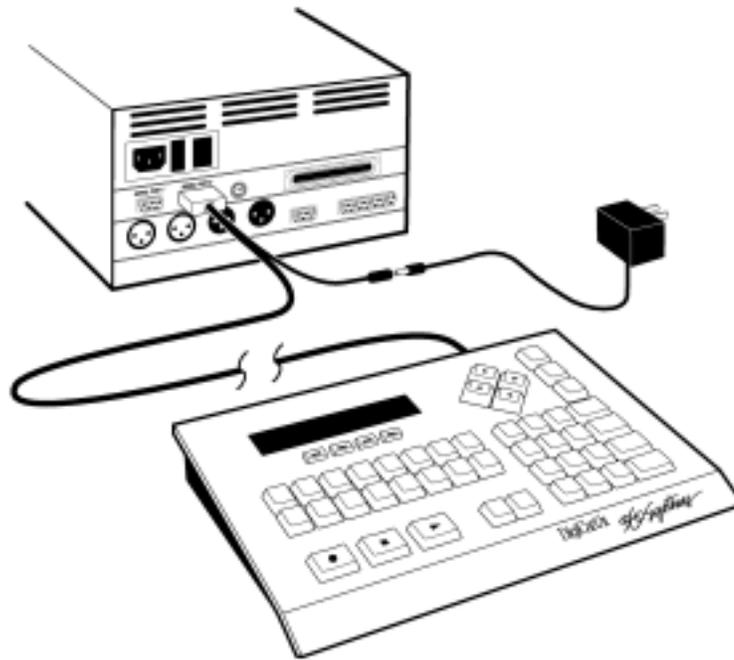
CABLE INTERCONNECTION BETWEEN RC-220 AND DIGICART

Check the REMOTE ADDRESS selection under the SETUP MENU on the DigiCart. This should be set to ADDRESS 01 for Machine 1, ADDRESS 02 for Machine 2, ADDRESS 03 for Machine 3, and ADDRESS 04 for Machine 4 on the RC-220. (For applications involving only one DigiCart and the RC-220, set the REMOTE ADDRESS on the DigiCart to ADDRESS 01, and always select Machine 1 on the RC-220.)

(For information on interconnection between multiple digicarts and a single RC-220, see Appendix A.)

The Remote Control should be connected before powering up the DigiCart. If the Remote is connected after the DigiCart's power is turned on, simultaneously press the SEC and FILE XFER (DNET XFER on DigiCart/II Plus) buttons on the DigiCart's front panel. This will "soft boot" the DigiCart and re-initialize the system.

MACHINE CONTROL

Your RC-220 is capable of managing up to four DigiCart systems, with a total stereo capacity of 192 hours! Use the four small MACHINE CONTROL buttons to select the current system. (The individual machine's SETUP MENU - REMOTE CONTROL settings must reflect the appropriate ADDRESS — 01 to 04.)

To select which DigiCart the RC-220 is controlling:

1.   Press one of the four MACHINE CONTROL keys to select the DigiCart system you wish to control.

2.   Press ENTER to confirm.

ARROW KEY FUNCTIONS

The cursor keys in the upper right had corner of the RC-220 duplicate the SELECT KNOB and POSITION ARROWS on the front panel of the DigiCart.

- The UP and DOWN arrows duplicate the functions of the SELECT KNOB on the DigiCart.
- The RIGHT and LEFT arrows duplicate the functions of the POSITION ARROWS on the DigiCart.

FIND OPERATIONS

By using the numeric keypad, you can instantly Find any Cut or Stack by its Index number. Cuts in the current directory only require entry of their Cut number. For Cuts in other Directories, use the full four-number Identifier. For Cuts on other Drives, use the full five-number identifier. The " **.** " separator is provided automatically.

TO FIND A CUT

1.   Enter the first digit of the Index number for the Cut you wish to locate.

   Note: *You do not need to press any special key to initiate the Find process. Once you press any key on the numeric keypad, the Remote Control assumes you wish to Find a Cut.*

2.   The Remote Control screen will display:

   ```
   FIND CUT  (Blinking Cursor)
   HH:MM:SS            48K  AC-2
   ```

   Note: *The information on the bottom line pertains to the current Selection.*

3.   Complete the entry of the Index number for the Cut you wish to locate.

4.   Press ENTER.

5.   DigiCart will instantly cue up to the Index number you entered. Press PLAY to Play the Cut or enter it into a Stack (see "Make Playlist" below.)

   Note: *For Cuts in the current Directory, you only need to enter the last three digits of the Index. For Cuts in other Directories, use the last four digits of the Index.*

   For Cuts on the current Drive, only enter the last four digits of the Index. For Cuts on other Drives, use the full five-number Index.
   *The " **.** " separator is not needed with the FIND function.*

6.   Repeat as necessary for Follow-On Play or press CANCEL to exit.

TO FIND A STACK

1. Press the STACK DIR key on the Remote Control.

    Note*:   You do not need to press any special key to initiate the Find
    process. Once you press any key on the numeric keypad, the
    Remote Control assumes you wish to Find a Cut or a Stack.*

2. The Remote Control screen will display:

    ```
    FIND STACK  (Blinking Cursor)
    HH:MM:SS              48K  AC-2
    ```

    Note: *The information on the bottom line pertains to
    the current Selection.*

3. Complete the entry of the Index number for the Stack you
    wish to locate.

4. Press ENTER.

5. DigiCart will instantly cue up to the Stack with the Index
    number you entered. Press PLAY to Play the Stack or enter
    it into a Stack (see "STACK OPERATIONS" below.)

    Note*:   If you are already logged onto the Stack Directory, you only
    need to enter the last three digits of the Index.*

    The " **.** *" separator is not needed with the FIND function.*

6. Repeat as necessary for Follow-On Play or press CANCEL
    to exit.

PRESET OPERATIONS

The PRESET function lets you assign a Cut or Linear Stack to the 16 PRESET buttons on the RC-220. When assigned, the selection will PLAY immediately when you press the associated Hot Key, or PRESET.

The terms Hot Key and PRESET are used interchangeably in this manual.

There are certain important conditions that apply when working with PRESETS:

- All Cuts (and Cuts contained in Stacks) assigned to PRESETS must be recorded in the Dolby AC-2 format.

- All Cuts (and Cuts contained in Stacks) assigned to PRESETS must be stored on the hard disk.

- PRESETS are subject to the currently selected RESTART MODE under the SETUP MENU— IMMEDIATE or ON COMPLETION.

ASSIGNING PRESETS

1. Press the ASSIGN PRESET button on the Remote Control. The display will show:

> **X.XXXX**   **(Name)**
> **SELECT PRESET**

> ***Note****: The information on the top line refers to the currently selected Cut or Stack.*

2. SELECT or FIND a Cut or Linear Stack on the hard disk.

3. Press the PRESET key you wish to assign. (At this point a message appears briefly on display: "Machine 01 not on line". This message is of no consequence.)

> ***Note****: It is not necessary to Clear a PRESET before reassigning it.*

4. Repeat steps 2 and 3 as necessary.

5. Press CANCEL to assign PRESETS again, or to exit the ASSIGN PRESETS function.

> *Note: After assigning a preset, if you wait about 10 seconds before doing anything, the bottom line of the remote display changes to "Cancelling" for about 3 seconds. The Assign Presets button remains lit, but no further assignments can be made until Assign Presets is pressed agin.*

PLAYING PRESETS

1. Press any white PRESET key to play back an assigned PRESET.

> *Note: The SETUP MENU'S RESTART MODE — IMMEDIATE or ON COMPLETION — affects the playing of PRESETS.*

2. To preview a PRESET, press the PAUSE button, then the PRESET button of choice. The display will read its name. If the selection is correct, push the PAUSE button again and the cut will play immediately.

STACK OPERATIONS

CREATING AND PLAYING A QUICKSTACK

Quickstacks are not stored in the DigiCart; they are for one-time only use.

1. Press MAKE PLAYLIST. The Pause LED on the DigiCart and on the RC-220 will illuminate.

2. Use the SELECT and POSITION Arrows or FIND operations to choose a Cut or Stack.

3. Press ENTER to add the first Item to the QuickStack.

4.   Repeat steps 2 and 3 as needed to add more selections. The Play light will begin to blink, indicating more than one Item for Follow-On Play. The display will show:

```
┌─────────────────────────────────────┐
│  X.XXXX          (Name)             │
│  X               HH:MM:SS           │
└─────────────────────────────────────┘
```

> ***Note:***   *The number under ID counts the Items in the QuickStack. The time is total QuickStack duration.*

5.   Press MAKE PLAYLIST again to release PAUSE and begin playback of the QuickStack.

CREATING, STORING, AND PLAYING LINEAR OR ROTATING STACKS

Linear Stacks and Rotating Stacks are stored in the DigiCart. You can select and play these types of Stacks just like any Cut. You can even assign a Linear Stack to a PRESET.

1.   Press MAKE PLAYLIST. The Pause LED on the DigiCart and on the RC-220 will illuminate.

2.   Use the SELECT and POSITION Arrows or FIND operations to choose a Cut or Stack.

3.   Press ENTER to add the first Item to the Stack. (Note: If you use the Pause button to build a Stack, then the PLAY button can be used to add items to the Stack.)

4.   Repeat steps 2 and 3 as needed to add more selections. The Play light will begin to blink, indicating more than one Item for Follow-On Play. The display will show:

```
┌─────────────────────────────────────┐
│  X.XXXX          (Name)             │
│  X               HH:MM:SS           │
└─────────────────────────────────────┘
```

> ***Note:***   *The number under ID counts the Items in the QuickStack. The time is total Stack duration.*

5.   Press the STACK DIR button to save the Stack. The display
      will prompt:

```
┌─────────────────────────────────┐
│                                 │
│   LINEAR                        │
│   SELECT WITH ARROWS            │
│                                 │
└─────────────────────────────────┘
```

6.   Use the POSITION ARROWS to select LINEAR or
      ROTATING.

7.   Press ENTER to save the Stack. The display will read:

```
┌─────────────────────────────────┐
│                                 │
│   X.SXXX(L/R)    NEWSTK_XXX      │
│   X                HH:MM:SS      │
│                                 │
└─────────────────────────────────┘
```

> *Note:*   *The Stack Index will end with the letter "L" for*
>   *Linear Stacks. It will end with the letter "R" for*
>   *Rotating Stacks.*

8.   Use CHANGE NAME to give the Stack a proper name. (This
      is best done with the RC-205 Mini-Keyboard.)

VIEWING A STORED STACK'S CONTENTS

You can check the contents of a Stack before you play it, or even examine it
while the Stack is playing. To view the items a Stored Stack, follow these
steps:

1.   Select the Stack you wish to examine. The screen will show:

```
┌─────────────────────────────────┐
│                                 │
│   X  X.XXXX          (Name)      │
│   HH:MM:SS           48K  AC-2   │
│                                 │
└─────────────────────────────────┘
```

> *Note:*   *The number in the upper left corner shows the*
>   *Item's position in the Stack. The rest of the*
>   *top line shows the Index number and Name*
>   *for the selected Stack. The bottom line of the*
>   *display shows the total time of the Stack.*

2.   Press VIEW PLAYLIST.

3.   Use the SELECT Arrows to step through the STACK.

4.   Press VIEW PLAYLIST to exit.

> *Note:*   *VIEW PLAYLIST may be used to set the next Item for Play in a*
>   *ROTATING STACK.*

VIEWING ITEMS IN A STACK WHILE PLAYING

1. Press VIEW PLAYLIST while the list is playing. The screen will show:

```
┌─────────────────────────────────────┐
│  X   X.XXXX              (Name)      │
│  (Name Playing)          MM:SS       │
└─────────────────────────────────────┘
```

> ***Note:*** *The number in the upper left portion of the screen shows the position of the Cut or Stack displayed on the top line. A "1" indicates that the item displayed in next in the sequence. A "2" indicates that the item displayed is the second-to-follow, and so on.*
>
> *The bottom line of the display shows the name and time information for the Cut currently playing.*

2. Use the SELECT Arrows to advance the upper line information. You can look ahead to view Index and Name information about all events yet to play in the Stack.

MENU OPERATIONS

The RC-220 also provides access to the UTILITY, SETUP, and EDIT MENU functions for DigiCart. You can access any MENU function simply by pressing one of the MENU buttons on the RC-220. Please refer to your DigiCart Owner's Manual for detailed information about each MENU function.

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DB9M

DB9M

DB9M

DB9M

DIGICART 4

DIGICART 3

DIGICART 2

DIGICART 1

CABLE ASS'Y
PART # RCA-259
Cable length 25 feet max.

IMPORTANT
Connect DC Power Supply to only
one RCA-259 Cable Assembly.

CABLE ASS'Y
PART # RCA-59

DB9F

RC-220

APPROVALS	DATE	*360 Systems*
DRAWN W. Yentis	9/3/93	INTERCONNECTION BETWEEN RC-220 AND 1 TO 4 DIGICARTS
CHECKED		
ISSUED		SIZE B / FSCM NO. / DWG NO. 36-0201 / REV
		SCALE NONE / SHEET 1
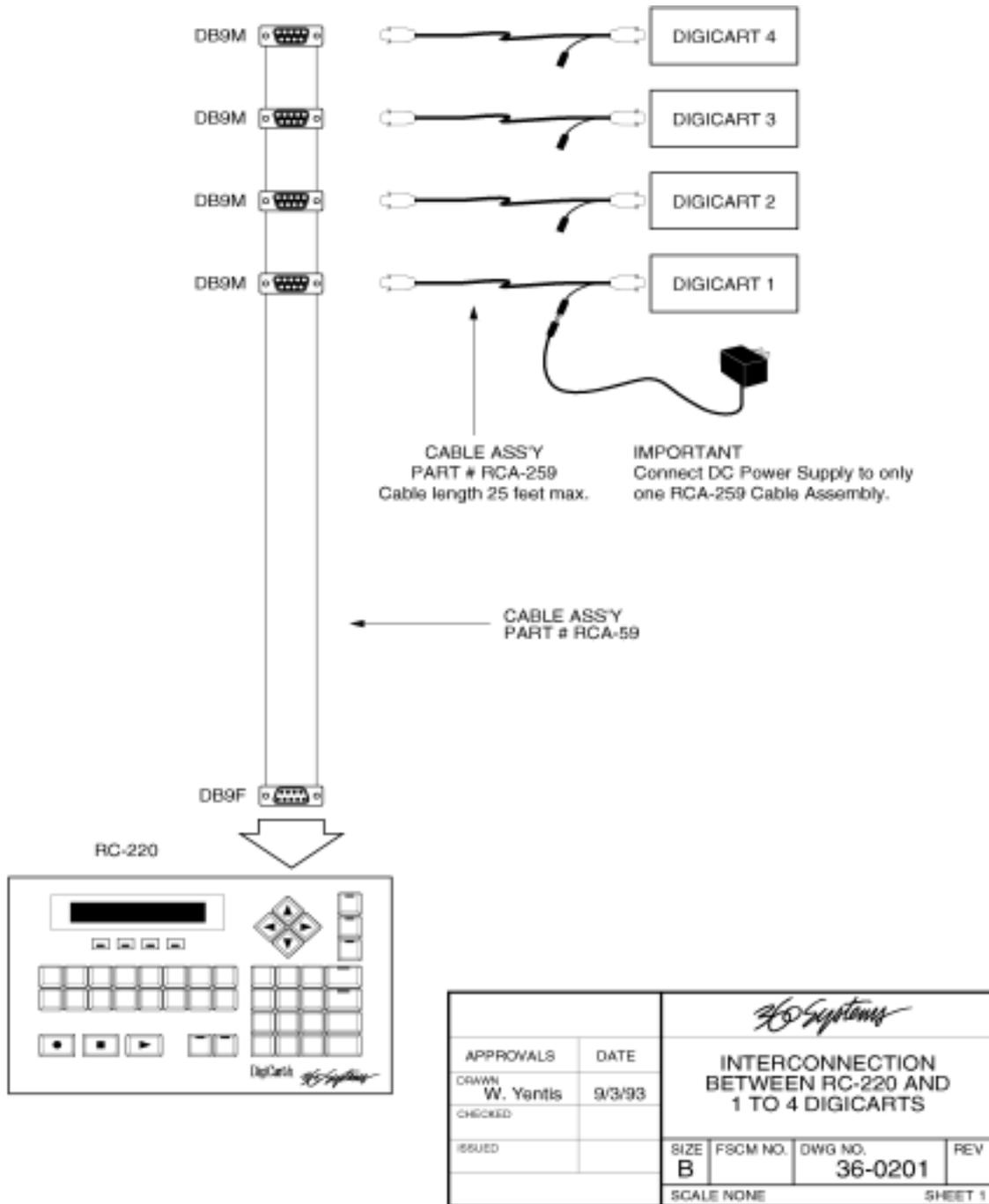
INTERCONNECTION BETWEEN MODEL RC-220 AND 1 TO 4 DIGICARTS

Model RC-210 / Model RC-220

Specifications

Operational Features

Display ....In the cued position, the display shows Cut name, index number, length of Cut, assigned directory and drive source. It also shows the Cuts sampling rate and recording mode— linear or Dolby AC-2 encoded. In the play mode, it shows remaining or elapsed time, current Cut and the next Cut cued up.

Position Arrows ....Select drives and directories.

Select Arrows ....Review Cuts by scrolling through directory listing. Displays Cut name and time.

Presets ...."Hot Keys" for rapid playback of sixteen pre-assigned Cuts.

Find (NO DEDICATED KEY) ....Access Cuts from the current directory, or any other directory, by directly entering the assigned ID number.

Keypad ....Use these 10 keys to enter Cut ID (index) numbers. Simply punch in the number and hit the ENTER key. (This provides visual verification on the display of the proper Cut.) Hit PLAY when ready for playback.

Stack Directory ....Direct access to the stack directory when using the FIND function.

Cancel ....Cancels incorrect entries.

Enter ....Enters/confirms new selections or entries.

Assign Presets ....Selected Cuts are "mapped" to the sixteen presets. Hard disk access to Cuts only; presets cannot be assigned from Bernoulli disk.

View Playlist ....Visual preview of a playlist before use. (Precludes playback when in this mode.)

Make Playlist ....Assemble groups of Cuts together. (Activates the PAUSE function.)

Play-Stop ....Controls DigiCart transport functions from RC-210.

Play-Stop-Record ....Controls DigiCart transport functions from RC-220.

Loop* ....Plays a Cut or a Stack continuously.

Pause* ....Places machine on "hold" in both play and record modes. Also used to preview PRESET assignments.

Edit Menu* ....Selects Edit Menu options.

Setup Menu* ....Selects Setup Menu options.

Utility Menu* ....Selects Utility Menu Options.

*RC-220 FEATURES ONLY

Notes:

The terms Stack and Playlist are synonymous.
DigiCart, DigiCart/II, and DigiCart/II Plus are used interchangeably.
Original DigiCarts (DigiCart/I) require Version 2 Firmware in order to use Models RC-210 and RC-220.

Mechanical & Electrical Specifications

Dimensions .... 1.875" x 11.5" x 7" (47.6mm x 292mm x 178mm) (H-W-D)

Weight .... 5 lbs. (2.3 kg)

Display.......................... 2-line x 20 character CCF backlit, super-twist LCD display. Viewing angle adjustment on rear panel.

Power Supply .... External UL/CSA/VDE approved 9-volt/1amp modular supply. Feeds RC-210/220 through 9-conductor cable via connector at DigiCart/II end. Alternate power connection for local power source located on rear panel of Remote Control units; standard power coaxial jack w/ 2.1mm dia. center pin, 5.5mm O.D., center pin positive voltage.

Cable............................ 25 foot (7.5 meters) highly flexible 9 conductor cable. Connects directly to DigiCart/II or RCA-59 Interconnect Cable Assembly.

Part No. RCA-59: Interconnect Cable Assembly for connecting RC-220 To 1-4 DigiCart/IIs.

Model RC-205

Specifications

Operational Features

Position Arrows………………………Select Drives and Directories. (Arrows facing up/down)

Select Arrows…………………………Review Cuts by scrolling through Directory listing. (Arrows facing left/right)

Presets………………………………"Hot Keys" for rapid playback of 104 pre-assigned Cuts. (Scroll Lock must be on for the PRESET function to work.)

Esc Key CANCEL/NO …………Cancels incorrect entries.

F1 Key UTILITY MENU………Selects Utility Menu Options.

F2 Key SETUP MENU…………Selects Setup Menu options.

F3 Key EDIT MENU …………Selects Edit Menu options.

F4 Key VIEW PLAYLIST …….Visual preview of a playlist before use. (Prevents playback when in this mode.)

F5 Key FIND……………………Access Cuts from the current directory, or any other directory, by directly entering the assigned ID number. Alternatively, type in the name of the Cut in partial or complete form to find the desired Cut.

F6 Key PAUSE ………………Places machine on "hold" in both play and record modes. Also used to preview Preset assignments.

F7 Key LOOP …………………Plays a Cut or a Stack continuously.

F8 Key REC ……………………Puts DigiCart into the Record mode.

F9 Key STOP …………………Stops Play or Record mode.

F10 Key PLAY…………………Puts DigiCart into the Play mode.

Numbers ………………………………Use these keys (the dedicated row of number keys or the alternate-set number keys side lettered in blue when Num Lock is turned on) to enter Cut ID (index) numbers. Push the F5 key to get into the Find mode, punch in the number and hit the ENTER key. (The DigiCart display provides visual verification of the desired Cut.) Hit PLAY (F10) when ready for playback.

Enter…………………………………Enters/confirms new selections or entries (same as ENTER/YES on the DigiCart front panel).

Notes:
The terms Stack and Playlist are synonymous.
DigiCart, DigiCart/II, and DigiCart/II Plus are used interchangeably.

Mechanical & Electrical Specifications

Dimensions ………………. 1_"H x 11_"W x 6"D; 44 x 289 x 152 mm

Weight ………………………. 1 lb. (.46 kg)

Power Supply …………….. Powered from Alpha Keyboard port on DigiCart

Cable………………………. 3' coiled, 5' maximum extended length; 5-pin standard DIN male connector. Connection to Alpha Keyboard port on DigiCart: mini 6-pin DIN male connector. (Note: Some RC-205s may come equipped with a DIN connector adapter assembly to match connector types.)

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