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# Flex Control Network®

## UABS-I

(Universal Automation Backup System - I)

# Operation Manual

Rev. 1.01

## REVISION HISTORY

|        |      |  |
|--------|------|--|
| 052308 | 1.00 | First release                              |
| 070108 | 1.01 | Master Control Channel section corrections |

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## 1. OVERVIEW

### A. Universal Automation Backup System, UABS-I Overview

The Universal Automation Backup System (UABS) provides affordable, simple, easy-to-use, reliable playout control. UABS utilizes the existing playlists from your automation or traffic system. It controls program and commercial channel playout. You can manually build playlists and modify existing lists. UABS is a reliable hardware based solution standing by 24/7, to make sure that you stay on the air.

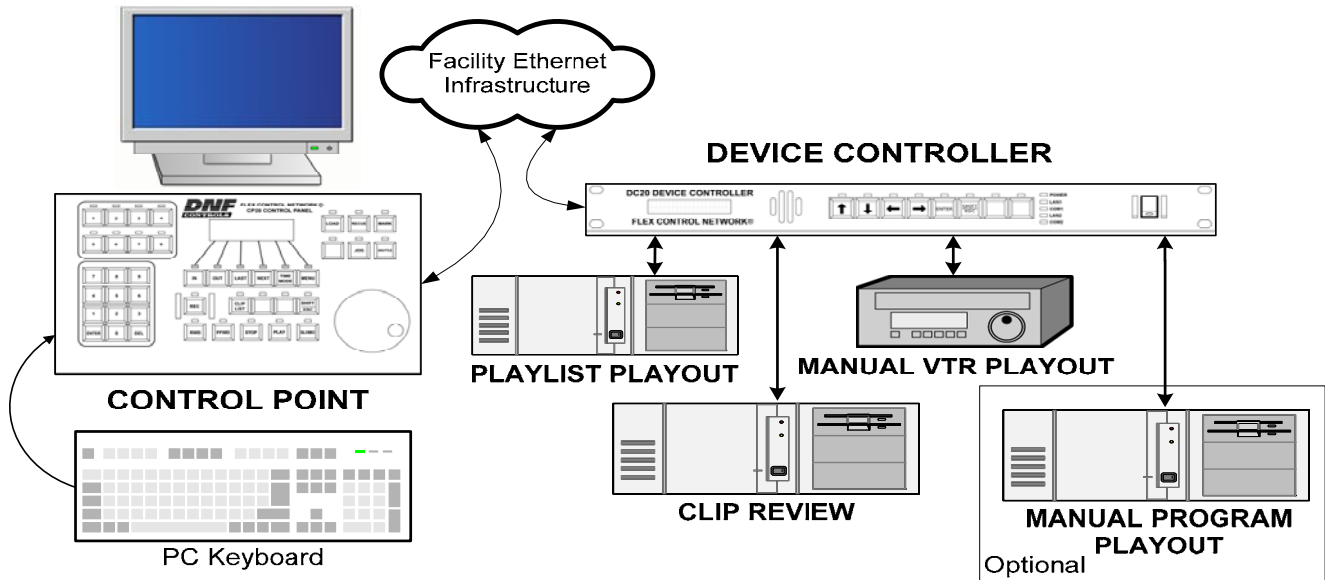
In an emergency, UABS allows you to manually roll Program (clip or tape) and still automate commercial break playout, OR automate both program and commercial playout.

UABS supports one playlist, for a full or partial broadcast day, which contains time triggered, follow-along, and manually controlled elements. Also supports program segment playout and secondary GPOs. The playlist can be modified at any time—adding and removing elements, appending playlists — even while the list is playing out.

### UABS-I FEATURES

- Import playlist files from most major automation and traffic systems
- Playout program and commercial on one video server channel
- Manually roll program clips (or tape) on one video server channel and automate commercial breaks on a second server channel
- Supports time triggered, follow along, and manual playout elements
- Supports program segments and secondary GPOs
- Manually build playlists on UABS or import from text editor
- Supports As-Run Log and Discrepancy List
- Consists of one Control Point and one Device Controller

## B. UABS-I Configuration



The Universal Automation Backup System is comprised of one DC20 Device Controller and one CP20 Control Panel. (The VGA monitor, PC keyboard, video server, VTR, and Ethernet infrastructure are provided by the customer.)

The DC20 Device Controller is connected to two video server channels for playlist playback, clip review, and has two additional channels available for manual program play out on a video server channel or VTR. The CP20 Control Panel is connected to the DC20 Device Controller thru an Ethernet connection.

In Master Control, the CP20 Control Panel, with external VGA monitor and keyboard, is used for on-air playlist playback control and playlist editing.

## 2. SYSTEM POWERUP

### On The CP20 Control Panel

#### A. View Playlist Screen

Press Device key "1", in the upper left hand corner, to view the Master Control channel's playlist screen on the VGA.

#### B. Read the List of Clips from the Video Server

- 1) Press Device key "2" to view the Clip Review channel's Clip Database. The Clip Database is a copy of all clip names on the video server.
- 2) Press SHIFT + numeric keypad "5". On the bottom of the CP20 VGA "Are you sure you want to rebuild the database?" will be displayed.
- 3) Press numeric keypad #5 to read the list of clips from the video server and into the UABS's Clip Database. This will take some time.  
OR, press numeric keypad #2 to cancel.

## 3. MASTER CONTROL CHANNEL

The Master Control Channel is used to control the on-air playlist.

The VGA, plugged into the CP20 Control Panel, displays the on-air playlist. Four highlight bar colors are used to quickly communicate list status information to the Master Control Operator.

| Highlight Bar Color | Status  |
|---------------------|---|
| GREEN               | On-air element                                  |
| YELLOW              | Cued element                                    |
| RED                 | Missing element                                 |
| BLUE                | Used in EDIT mode to indicate selected element. |

#### A. Play the List

Press the PLAY key to start list playout at the green highlighted element. The list of default function keys will be displayed on the bottom row of the VGA screen.

If the current element type (highlighted green) is:

**Time Trigger** The "Time To Air" countdown will be displayed at the top of the VGA screen. At the entered time, the green highlighted element will begin to play.

**Manual** The green highlighted element will begin to play

**Follow Along** The green highlighted element will begin to play

**B. Stop the List**

Press the STOP key to immediately stop list payout.

**C. Add BREAK**

Press "5" to insert BREAK immediately after the on-air element.

**D. Skip to Next Element**

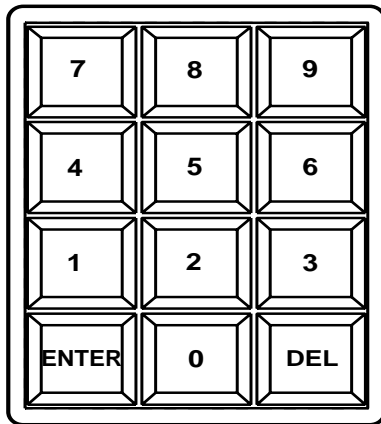
Press the NEXT key to immediately (after Play Latency) transition to next element in list.

## E. Create/ Edit/ Modify List Playout

The list of function keys is displayed on the bottom row of the VGA screen. The key numbers refer to the keys on the numeric keypad, on the CP20 Control Panel. The transport keys refer to the transport keys on the CP20. The PC keyboard is used to edit element fields— adding/ editing text, time, and trigger type fields.

The displayed list of function keys shows the available functions for the current mode of operation. For example, in the List Import mode, only those functions related to viewing, selecting, and appending a playlist file are displayed on the bottom row of the VGA screen.

**CP20 Numeric Keypad**



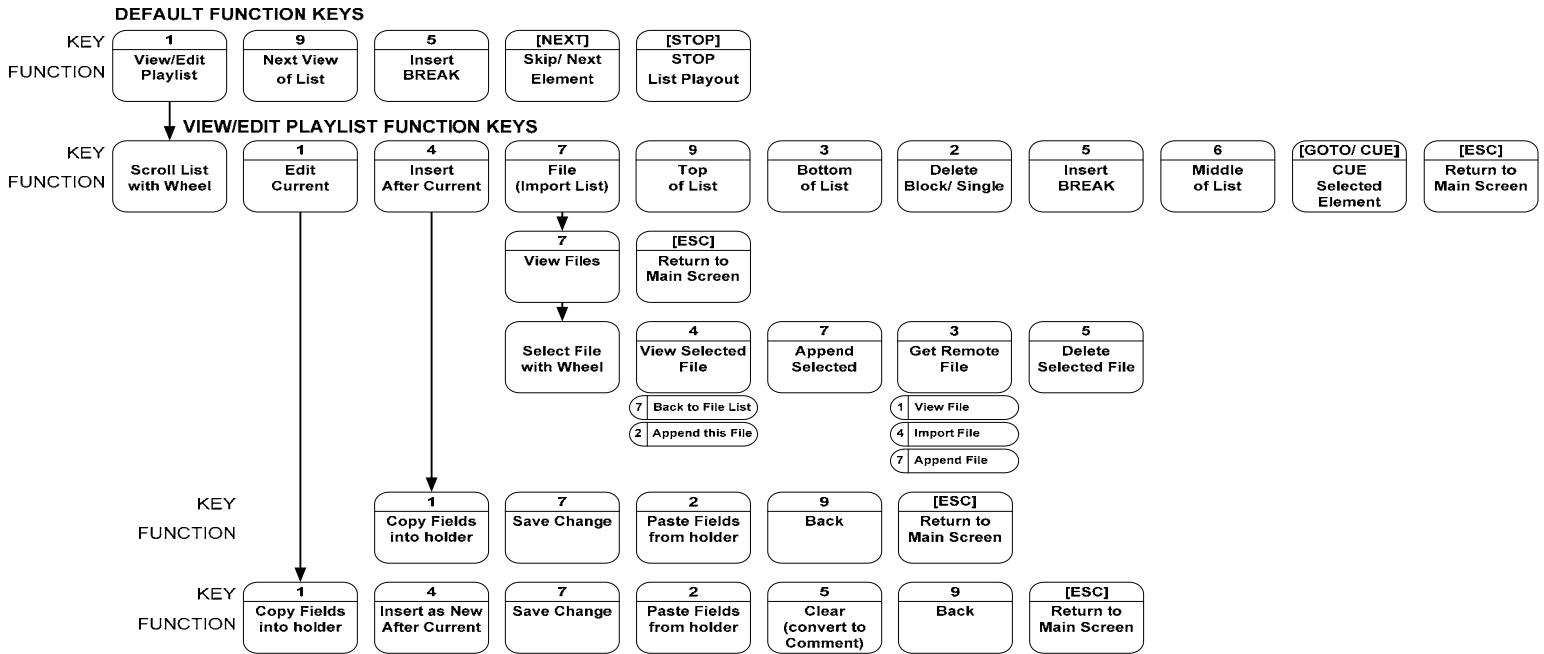
### PC Keyboard Operation

| KEY                     | ACTION  |
|-------------------------|---|
| ENTER, TAB, ↓           | Move cursor forward to next field   |
| ↑                       | Move cursor backwards to previous field   |
| ↔                       | Move cursor within field  |
| Type Characters         | Overwrite/ replace existing data  |
| → and type characters   | Append characters to existing data  |
| ↔ in Trigger Type field | Step forwards and backwards through available trigger types:<br>CT Comment<br>BR BREAK<br>MP Manual<br>TT Time Trigger<br>GP Secondary GPO Event<br>FA Follow Along |
| Backspace               | Use backspace key to clear time field to 00:00:00:00.<br>Backspace again to use default clip times (—:—:—:—)  |



# List Of Master Control Function Keys

(Displayed on Bottom Row of VGA Monitor)



## 1) IMPORT / APPEND PLAYLIST FILE

| Key Press | Function                 |
|-----------|--------------------------|
| 1         | View/ Edit Playlist      |
| 7         | File                     |
| 7         | View Files               |
| 3         | Get Remote File          |
|           | Use wheel to select file |
| 1         | View Selected File       |
| 7         | Append Selected File     |

## 2) INSERT NEW ELEMENT

| Key Press | Function  |
|-----------|---|
| 1         | View/ Edit Playlist                             |
|           | Use wheel to select element to insert AFTER     |
| 4         | Insert After Current                            |
|           | Use PC keyboard to enter data in element fields |
| 7         | Save new element                                |

## 3) COPY ELEMENT

| Key Press | Function  |
|-----------|---|
| 1         | View/ Edit Playlist                               |
|           | Scroll using wheel to element to copy             |
| 1         | Edit  |
| 1         | Copy fields into holder                           |
| 9         | Back  |
|           | Scroll using wheel to element before insert point |
| 4         | Insert After                                      |
| 2         | Paste fields from holder                          |
| 7         | Save  |

## 4. CLIP REVIEW CHANNEL

The Clip Review Channel is NOT used for on-air playlist control (See Master Control Channel). The Review Channel is used to build and maintain the UABS's Clip Database, a local copy of the list of clips on the video server. The Review Channel is also used for manual clip playout control.

### A. Select Clip Review Channel

The CP20 Control Panel's second control channel is configured as the Clip Review Channel. Press the Device 2 key, located in the upper left hand corner of the CP20.

### B. Rebuild Clip Database

The rebuild process reads the list of clips on the video server and populates a local Clip Database in UABS. Once the rebuild process is completed, UABS uses the review channel to automatically update the Clip Database as new clips are added to the video server, or existing clips are deleted.

The rebuild process is required after powering up the DC20 Device Controller, and after reconnecting the DC20 Clip Review Channel to the video server.

1. Press [SHIFT] + Numeric Keypad [5] to rebuild the Clip Database. "Are you sure you want to rebuild the database?" will be displayed on the bottom row of the CP20's VGA display.
2. Press numeric keypad [5] to rebuild the Clip Database. This will take some time.

OR, press numeric keypad [2] to cancel.

### C. Playlist Validation Error Report

The Validation Error Report displays the list of missing clips used in the Master Control Channel playlist. This list is updated when a clip is added to or removed from the video server.

1. Press numeric keypad [8] to view the Validation Error Report.
2. Use the wheel or [NEXT] and [LAST] keys to scroll through the list.
3. Press [ESC] to refresh the display
4. Press numeric keypad [7] to return to the Clip Database screen.

### D. Load and Play Clips for Manual Program/ Long-form Playout

1. Use the wheel or [NEXT] and [LAST] keys to scroll through the Clip Database.
2. Select the desired clip by placing the blue highlight bar on it.
3. Press [LOAD] to load the clip.
4. Use the transport keys to control the clip.

## 5. LIST OF MASTER CONTROL FUNCTION KEYS

(Displayed on Bottom Row of VGA Monitor)

