



# Automation Backup and Manual List Playback with DNF Controls

## Introduction

DNF Controls has been an Omneon partner since Omneon's founding in 1998. Throughout this time, DNF Controls has supported Omneon and its customers to create new control solutions for broadcast and production applications. Today the integration of the two companies' products gives broadcasters innovative, reliable, and easy-to-use solutions that deliver unparalleled control in point-to-point and facility-wide multipoint applications.

In most of their broadcast installations, Omneon Spectrum servers function primarily as the play-to-air device usually under the control of an automation system. With DNF Controls, users can extend the Spectrum's capabilities to a much wider range of applications – including manual playlist playback, instant access to and playback of video clips, merging prerecorded clips with a live production, and manual, on-the-fly control of record and playback channels.

## Control Solutions for Automation Backup and Manual List Playback

DNF Controls provides the power to play out a list of clips under manual control or automatically at specified times. Users can control one or more video server playback channels, as well as control record channels. The 3040P/DLO Automation Backup Controller offers Spectrum users the security of an affordable redundancy plan to keep its commercials and programming on the air. Playlists can be downloaded from an automation or traffic system. Ideal for unattended recording, and fixed or variable time-delay playback. The 3040P-L Manual Playlist Playback Controller is ideal for applications where break times constantly change and sponsored playbacks happen at a moment's notice. Manually play out a single clip, a list of clips, or stop at the end of a commercial break. Edit the list during playback – append, insert, & delete clips, add breaks.

## Video Roll-Ins for Live Productions

Integration of DNF controllers with Spectrum provides new applications in video playback for live productions. Merge prerecorded video clips with live production; harness the power of monitor walls and other display systems. Press one button to load a single-clip, fill/key clip, or multi-clip combination for playback during news shows, game shows, talk shows, awards shows, sporting events, and live events where late-breaking or unforeseen events occur. Play the whole clip, from an IN point to an OUT point, or loop the clip. Use DNF's Peripheral Bus Interface Option to load and play clips on Spectrum as part of a production switcher/vision mixer timeline effect. The 2044CL Instant Access Clip Control System combines the ST400 Controller and ST420 Shotbox, creating a rich feature set that allows users to instantly access clips, create, record, load, and play clips, with simple, precise, reliable, and repeatable control. The ST420 Shotbox provides one-button instant access to a single clip, a fill and key clip combination, or eight-channel multi-clip combination. Users can control up to eight channels, individually or ganged. Additionally, the Shotbox displays the assigned clip name or user-entered label on the key face for rapid identification and access. The 4040CL Fast Access Clip Controller provides fast access to video clips, fill and key clip combinations, and control of up to eight channels.

## SOLUTION OVERVIEW

### On-Air Backup Control

Keep your commercials and programming on the air with a playlist controller or instant access clip controller.

### Instant & Random Access to Clips

Press one button to instantly access and load a single clip, fill & key clip combination, or up to eight channels of clips, and then synchronously roll them. Play the whole clip, play only from an IN point to an OUT point, or loop the clip. Ideal for fast-paced productions where the order of clip playback may change at a moment's notice.

### Merge Clips with Live Production

Playback pre-produced clips during a live production on monitor walls and other display systems, as well as on air. Load and play clips from a playlist, by selecting keys on a Shotbox, or randomly access clips as needed. Play the whole clip, only from IN to OUT, or loop it.

### Manual, On-The-Fly Control

Fast, simple, easy-to-use controllers let you take control of record and playback channels as needed, at a moment's notice, to get the job done.

### Customized Control Solutions

To meet the specific needs of your application and workflow, choose an off-the-shelf controller with customized features or select a tailored custom control system.

Find More Online

[www.omneon.com/solutions](http://www.omneon.com/solutions)

## Flex Control Network® Ethernet-Based Machine Control System

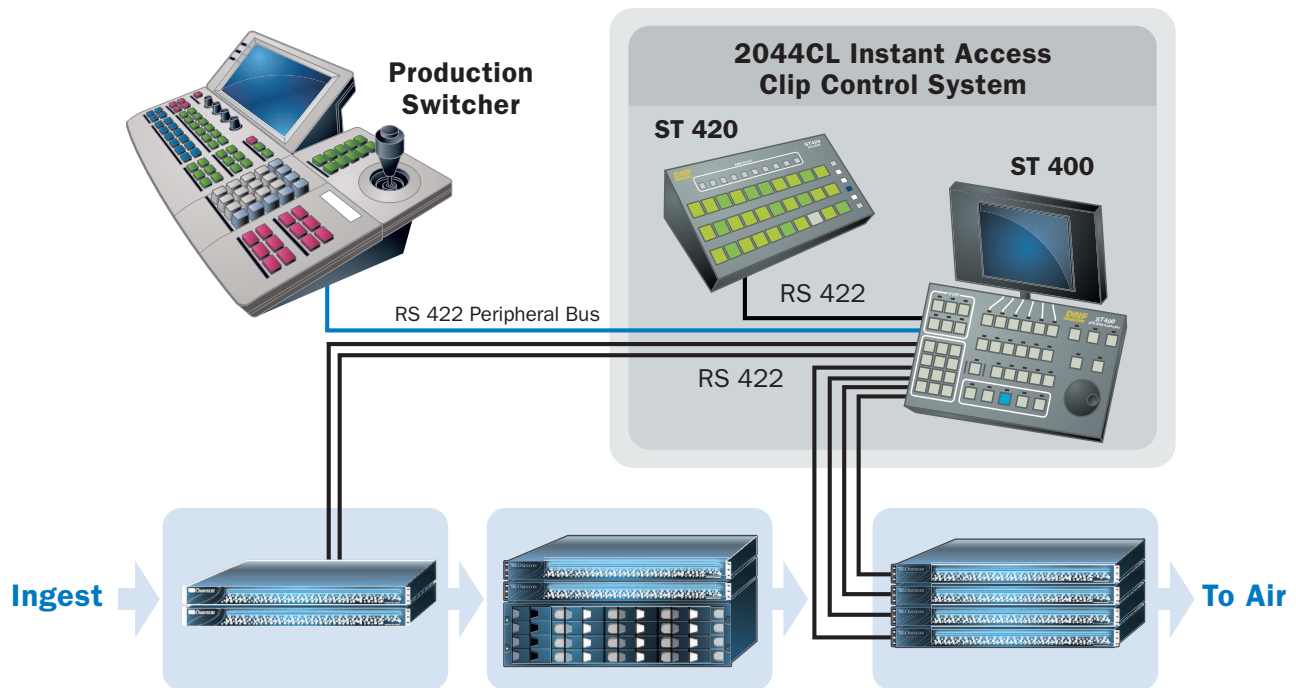
The Flex Control Network® provides real-time, precise, and reliable machine control over Ethernet, WAN, or VPN. A flexible system for even the most complex machine configurations, the Flex Control Network can be used across multiple control points within a facility, or across the country. The Playlist Playout module controls up to four playback channels. Edits to the playlist – including insert, append, and delete – can be made while the list is playing out. The Playlist Playout module establishes backup and tertiary playout redundancy. The Clip Control module simplifies the creation, recording, loading, and playout of clips. Operators can load and play a clip on a single channel, or key and fill combinations on multiple channels.

### 3040P-L Manual Playlist Playout Controller

Tailored for applications such as televised sporting events, when break times constantly change and sponsored playbacks happen at a moment's notice. The list can be edited during playout, allowing the operator to append, insert and delete clips, and add breaks.

### 3040P/DLO Automation Backup Controller

The 3040P/DLO Automation Backup Controller offers Omneon Spectrum users the security of an affordable redundancy plan to keep its commercials and programming on the air. Playlists can be downloaded from an automation or traffic system. Operate the 3040P/DLO in either hot standby or continuous server-control mode, taking it to air when backup is required. The 3040P/DLO is also ideal for applications that require time-triggered video playout, unattended satellite feed recording, and fixed or variable time-delay playout.



*2044CL Instant Access Clip Control System combines the ST400 Controller and ST420 Shotbox, creating a rich feature set that allows Omneon Spectrum users to instantly access clips, create, record, load, and play clips. The Shotbox provides one-button access to a single clip, a fill and key clip combination, or eight-channel multi-clip combinations.*

**OMNEON®**  
 NOW PART OF HARMONIC  
[www.omneon.com](http://www.omneon.com)

**U.S. Headquarters:**  
 1237 E. Arques Ave.  
 Sunnyvale, CA 94085  
 ph +1 866.861.5690  
 ph +1 408.585.5000  
 fx +1 408.585.5099

**Europe:**  
 5 Lindenwood  
 Chineham, Basingstoke  
 RG24 8QY United Kingdom  
 ph +44 1256.347.400  
 fx +44 1256.347.410

**Japan:**  
 Ginza 3-Chome Bldg. 8F  
 3-14-1 Ginza, Chuo-ku  
 Tokyo 104-0061 Japan  
 ph +81 03.5565.6735  
 fx +81 03.5565.6736

**Asia/Pacific:**  
 20 Loyang Crescent  
 Singapore 508984  
 ph +65 6548.0500  
 fx +65 6548.0504