

# One Button — Powerful Control



## 2034CL Clip Instant Access System, 4-Channel Control

Unlock the power of your video server and get clips to air fast - all with the touch of just one very powerful button. Press another button to load a single video clip, a fill clip/key clip combination, or four channels of clips.

The 4-channel 2034CL Clip Instant Access System, like its 6-channel brother, the 2044CL, gives you 30 very powerful buttons to access up to 300 single clips or multiple clip combinations. Comprised of DNF's field-proven, widely accepted ST300 controller and innovative ST420 Shotbox, this system gives you simple, precise, reliable, repeatable control over your video server in a fast-paced broadcast environment. The buttons give you the control to merge prerecorded video clips with live production, to harness the power of monitor walls and other display systems, and to load and play news segments, graphics, animations, highlights, and promos.

### As easy as 1-2-3

- 1 Scroll the list of video clips in the video server (or manually enter a clip ID)
- 2 Select a clip (mark IN and OUT points to change start point and duration)
- 3 Assign clip(s) to a Shotbox key (clip name or user-entered label appears on key)



## Control At Your Fingertips

- One-button control of up to four video channels, individually or ganged
- Display clip name on Shotbox key's face for fast, easy access
- Quickly assign and re-assign clips to a Shotbox key
- Merge prerecorded video clips with live production
- Standard transport control, jog, shuttle, search-to-time, loop playout
- Clip control: create, record, load, play, and sub-clip (protocol dependent)
- Simple, precise, reliable, repeatable control
- Supports Louth VDCP, Odetics, Sony BVW, GV Profile Native, Sony MAV555/777, Accom DDR, and other control protocols
- Available with production switcher Peripheral Bus Interface Option, PBIO

## Applications

The 2034CL Clip Instant Access System is used for sports and other live events, news, game and award shows, talk and variety shows, and concerts.



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# POWERFUL CONTROL

## 2034CL Clip Instant Access System

Consists of the ST300 VTR Controller and the ST420 Shotbox

### ST300

**Power:** 90 VAC to 265 VAC adapter supplied with IEC connector

**Size:** (L" x W" x H") 12" x 6" x 1.5" (front) 3.0" (rear)  
(T-Bar unit is 12.6" wide)

**Weight:** 4 lbs.

**Rear Panel Connectors:** VTR1, VTR2, VTR3, VTR4 (All DB9F)  
GPI (DB15F)  
Power (DB9M)  
Aux (DB9F)  
Reference Video (BNC)

**Display:** Easy to read 2-line, back-lit LCD display  
(User adjustable contrast)

**Jog/Shuttle Wheel:** With mechanical detents.

**Optional "T"-bar:** Slo-mo 0-200% of Play Speed

### RS422 Serial Connector 9-Pin D-type, Female (DB9F)

Pin #	Function	Pin #	Function
1	Frame Ground	6	Receive Common
2	Receive A	7	Receive B
3	Transmit B	8	Transmit A
4	Transmit Common	9	Frame Ground
5	Spare		

### Power Connector 9-Pin D-type, Male (DB9M)

Pin #	Function	Pin #	Function
1	+5v DC	6	+5v DC
2	+5v DC	7	Ground
3	Ground	8	Ground
4	+12v DC	9	Ground
5	-12v DC		

### Aux Port RS422 Serial Connector 9-Pin D-type, Female

Pin #	Function	Pin #	Function
1	Frame Ground	6	Transmit Common
2	Receive A	7	Receive B
3	Transmit B	8	Transmit A
4	Receive Common	9	Frame Ground
5	Spare		

### GPI IN/OUT CONNECTOR 15-Pin D-Type, Female (DB15F)

Pin #	Description	Pin #	Description	Function
1	GPI 1 Out	9	GPI 1 In	Play
2	GPI 2 Out	10	GPI 2 In	Stop
3	GPI 3 Out	11	GPI 3 In	Recue
4	GPI 4 Out	12	GPI 4 In	Next Cue
5	GPI 5 Out	13	GPI 5 In	Last Cue
6	GPI 6 Out	14	GPI 6 In	Recall
7	GPI 7 Out	15	GPI 7 In	
8	Ground			

## ST420 (SHOTBOX)

**Power** 90 VAC to 265 VAC adapter with IEC connector  
AULT Model #SW300  
+5v @ 3.5A, +12v @ 2A, -12v @ 0.8A

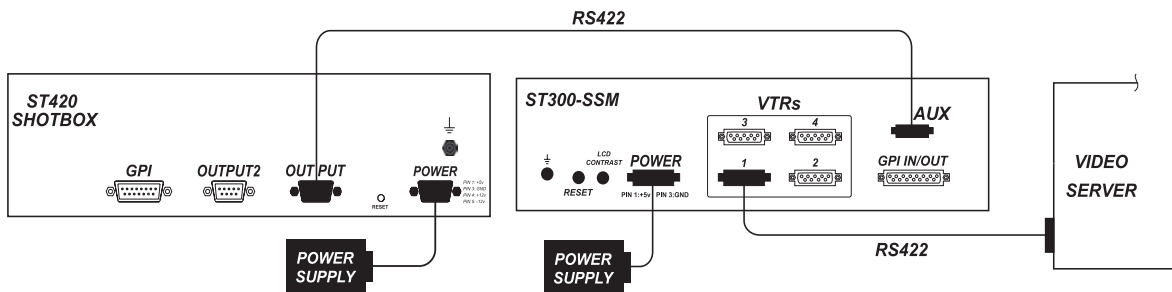
**Size** (L" x W" x H")  
11.5" x 6 .5" x 1.75" (front)  
3 1/2" (rear)

**Weight** 4 lbs

**Rear Panel Connectors** Out (DB9F)  
GPI (DB15F)  
Power (DB9M)  
Aux (DB9F)

**Keys** 10 Bank Select Keys  
30 LCD Keys

## CONNECTION DIAGRAM



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