

# **Multi-Player Playback Synchronization for ViewStream 300**

## **Application Note**

(Preliminary)

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# 1 Introduction

The ability to synchronize file playback across multiple ViewStream 300 (VS-300) media players is built in as standard – using the steps outlined below the synchronization function is quick and straightforward to implement.

## 1.1 Guide to the synchronization

Multiple VS-300 media players synchronize their file playback using the RS-232 port. A designated “master” player will send a signal to all the “slave” players over the RS-232 to synchronize the file playback across all the players.



## 1.2 What you need ?

Before you going to setting the synchronization network, you need:

- ViewStream 300 media player (at least two players)
- RS-232 extend cable (P/N 426894301-3).
- RS-232 Link cable (P/N 426630600\*).

\*Note: The cable is for “1 master player” and “5 slave players” connection

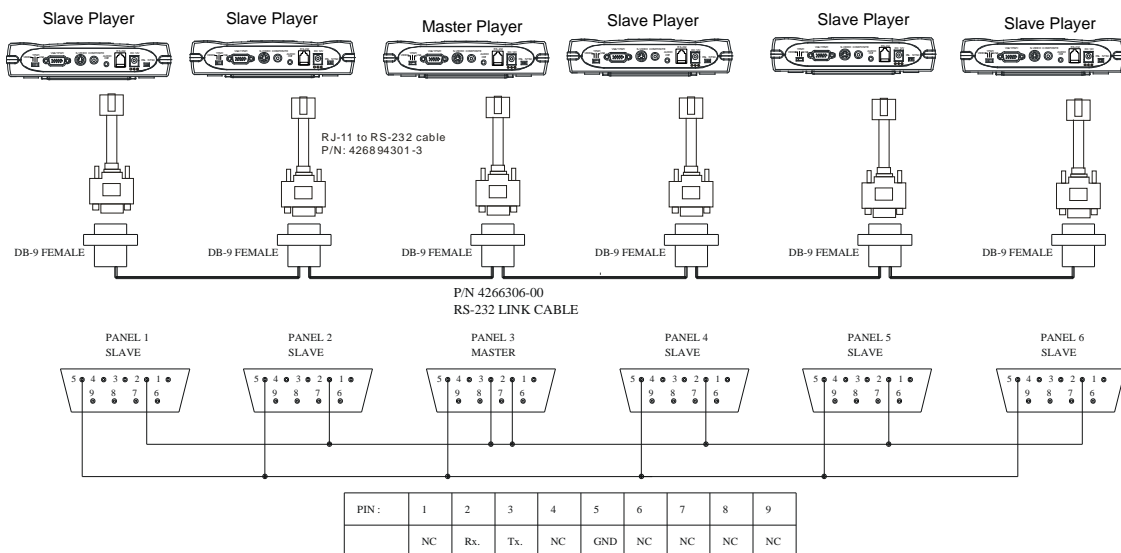
# 2 Setup

To setup synchronization there are three things to consider, the cable connection, the media file (.mpg), the playlist files (.prj/.pll)

Basic setup involves 3 main steps:

1. Connect the master player and slave player(s)
2. Preparation of the media file
3. Generate the playlist files for
  - Master Player
  - Slave Player

## 2.1 Connection preparation

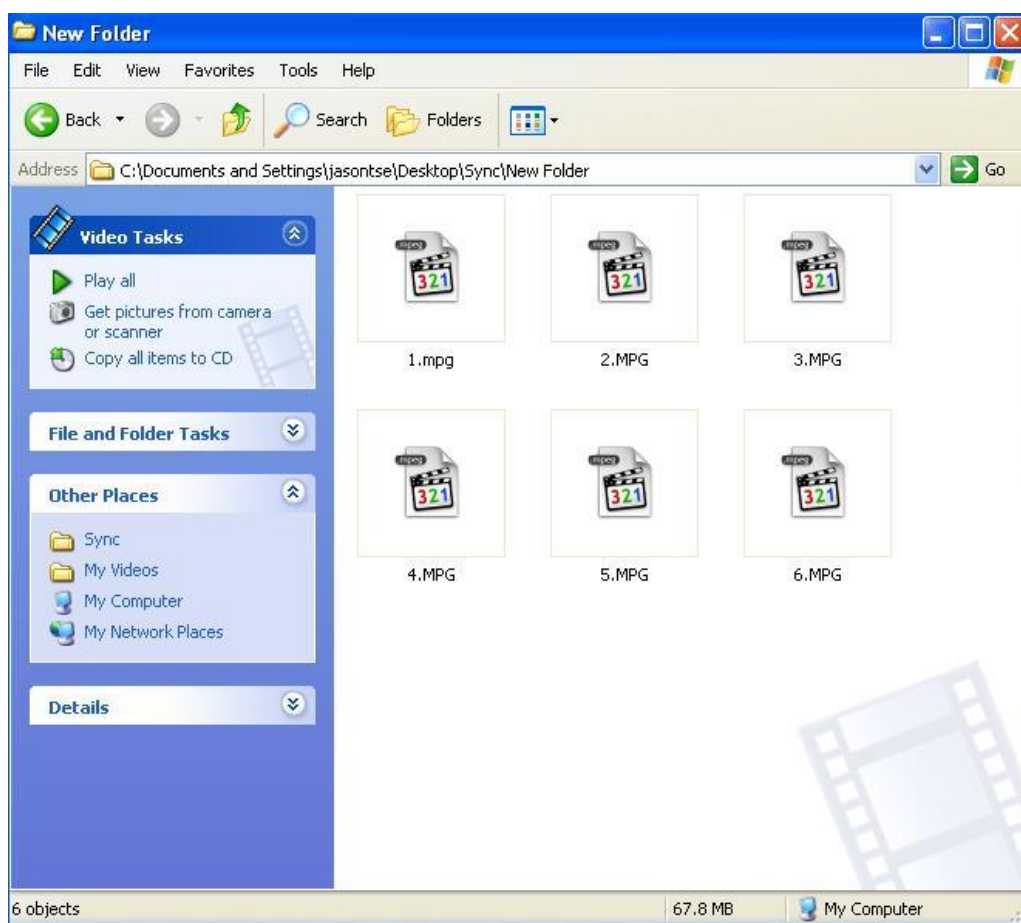


For the connection of the synchronization set of players, connect the master player and the slave player(s) using RS-232 link cable and RJ-11 to RS-232 cable.

For the RS-232 link cable, the Transit data pin Tx (Pin3) of the master should be connected to the Receive data pin Rx (Pin2) of the slave. (Please refer to the above connection diagram.)

## 2.2 File preparation

For the media files, the file name should be numeric with a sequence starting from 1.MPG. (the file name sequence should not started from "0.MPG".)



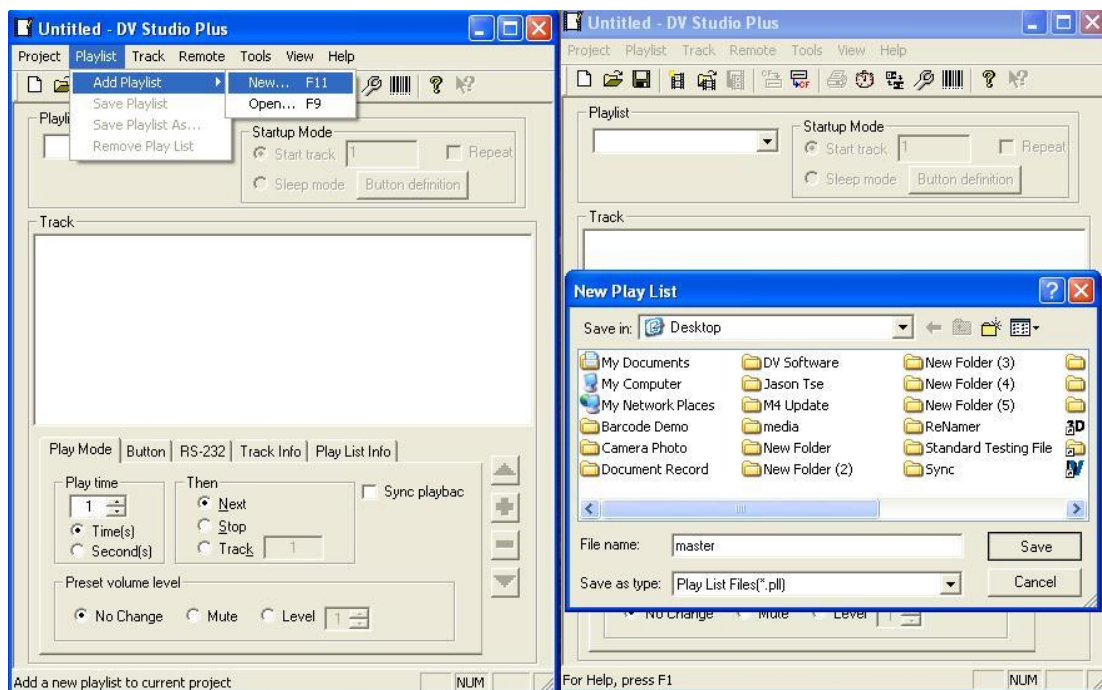
## 2.3 Playlist generation

Players must have a suitably setup playlist as outlined below.

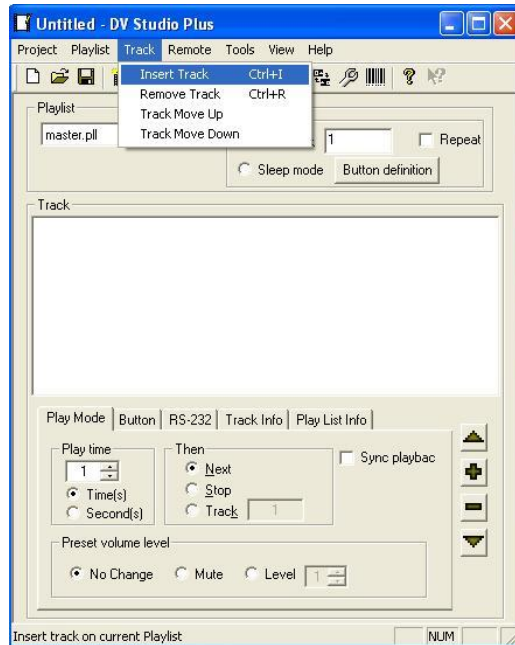
### 2.3.1 Playlist for Master Player

Step 1: Open DV Studio – the Digital View playlist creation software.

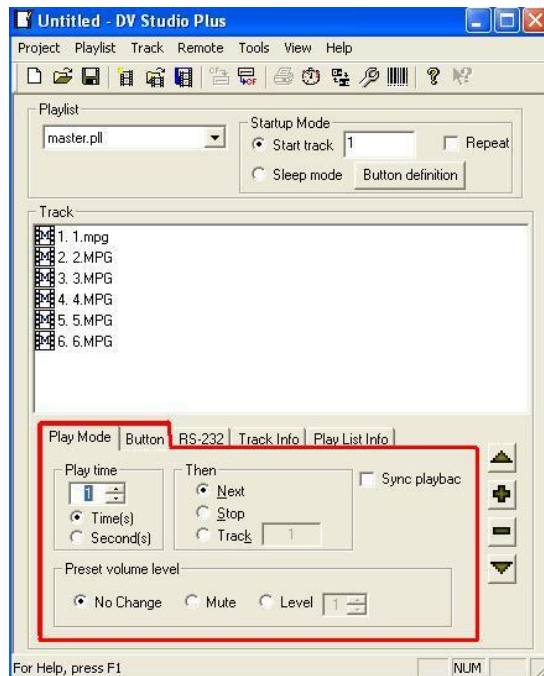
Step 2: Add a new playlist.



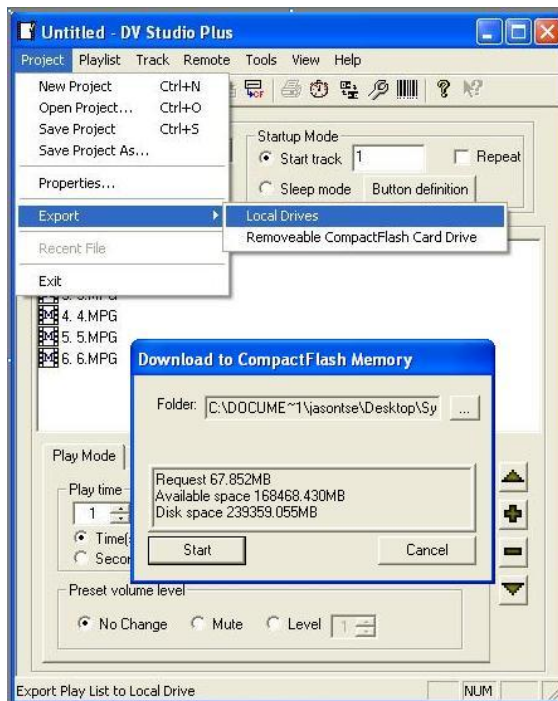
Step 3: Insert the media file to the playlist.



Step 4: Set the play mode and button.



Step 5: Click **Project** -> **Export** to export the playlist file.





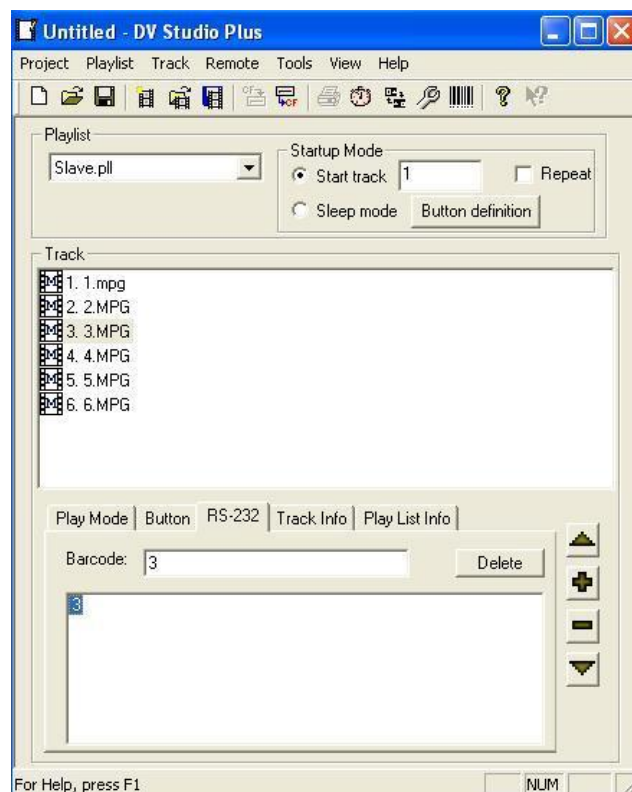
## 2.3.2 Playlist for Slave Player

Step 1: Open the DV studio.

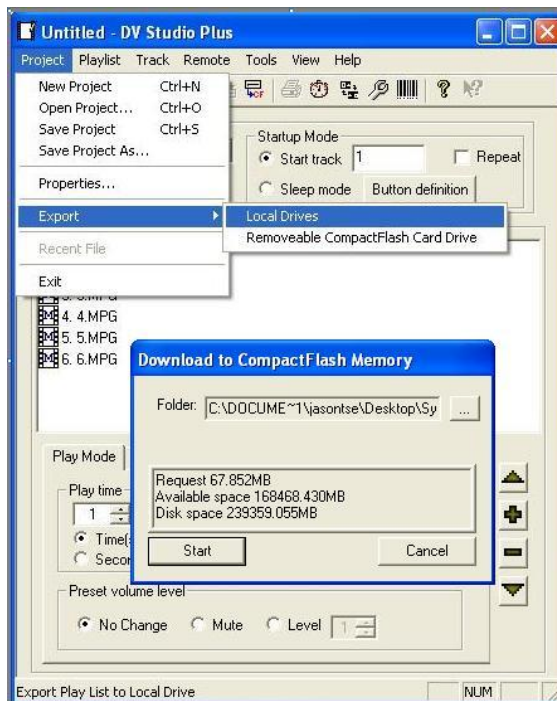
Step 2: Add a new playlist. (same as Section 2.3.1 – step 2)

Step 3: Insert the media file to the playlist. (same as Section 2.3.1 – step 3)

Step 4: Click the **RS-232** button. Enter the **Barcode number** in the input box. (If you have six media files, please enter six barcode numbers which is same name as the media file.)



Step 5: After finish the entry of barcode number. Click **Project** -> **Export** to export the playlist file.



[END]

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## CAUTION

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## CONTACT DETAILS

**USA:** Digital View Inc.  
18440 Technology Drive  
Building 130  
Morgan Hill, CA 95037  
**Tel:** (1) 408-782 7773      **Fax:** (1) 408-782 7883  
**Sales:** [ussales@digitalview.com](mailto:ussales@digitalview.com)

**EUROPE:** Digital View Ltd  
6 Marylebone Passage,  
London  
W1W 8EX,  
UK  
**Tel:** (44) (0)20-76312150      **Fax:** (44) (0)20-76312156  
**Sales:** [uksales@digitalview.com](mailto:uksales@digitalview.com)

**ASIA:** Digital View Ltd  
16<sup>th</sup> Floor Millennium City 3  
370 Kwun Tong Road  
Kwun Tong  
Hong Kong  
**Tel:** (852) 2861 3615      **Fax:** (852) 2520 2987  
**Sales:** [hksales@digitalview.com](mailto:hksales@digitalview.com)

Specifications subject to change without notice

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