

Application Note

Barcode Scanner Support on M3

Version 1.0

Table of Contents

1 WHAT DO YOU NEED?	2
2 PREPARATION	3
3 OPERATION	5
APPENDIX A - BARCODE TEST SHEET	8
APPENDIX B – BARCODE READER SETTING	9

This brief guide explains the use of a barcode scanner with the M3-300/320 and ViewStream™ 300/320. It is intended for system integrator who will be creating content for demos or for live installations.

This document is part of the Media System documentation. Other parts of this documentation include the **Content Creation Guide**, the **User Guide**, and the **Quick Start Guide**.

1 What do you need?

Before you set up the scanner on our DV product, please make sure have the following:

- Barcode scanner with RS-232 interface
- M3-300/320 or ViewStream™ 300/320
- Compact Flash card (for M3-300, ViewStream™ 300)
- SD card (for M3-320, ViewStream™ 320)
- Power supply (DC12V)
- DV Studio Software and Manual*

Note:

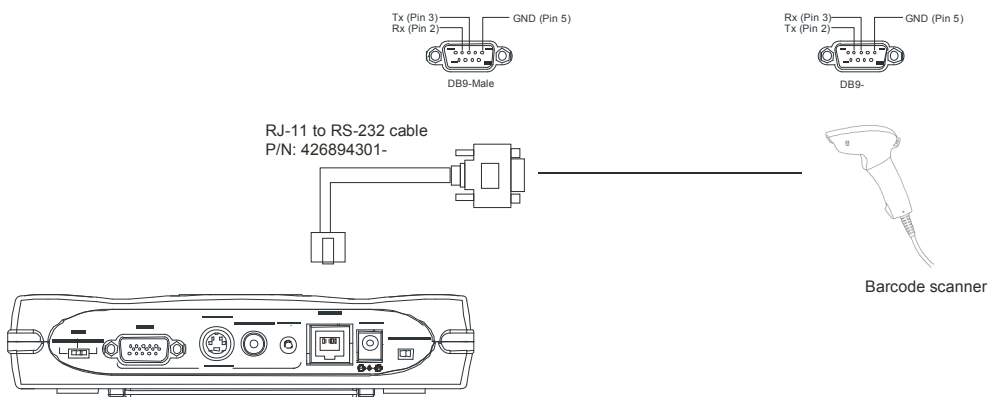
* DV Studio can be downloaded from <http://www.digitalview.com/products/software>

2 Preparation

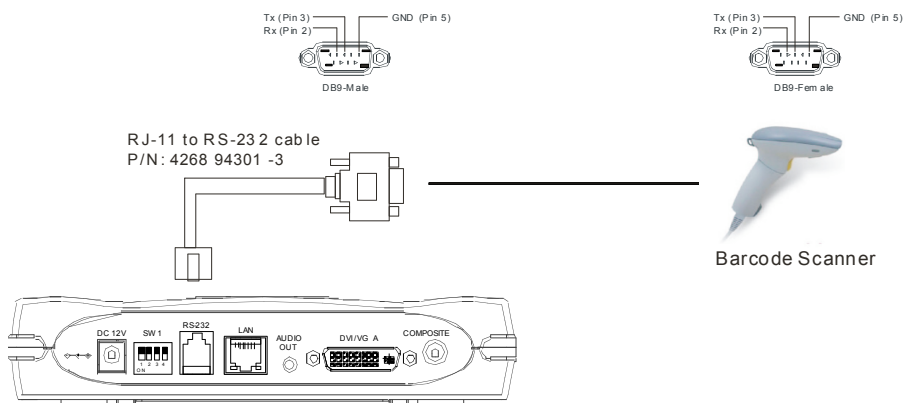
Connection

- Please connect the scanner direct to the RS-232 port .
- If the scanner is using external power supply, make sure the power is well connected into the power socket of scanner.

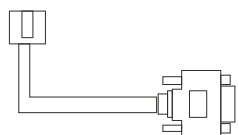
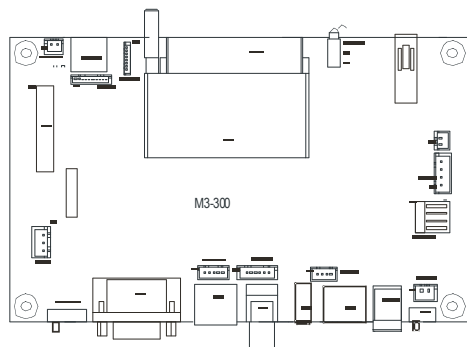
For ViewStream™ 300



For ViewStream™ 320



For M3-300

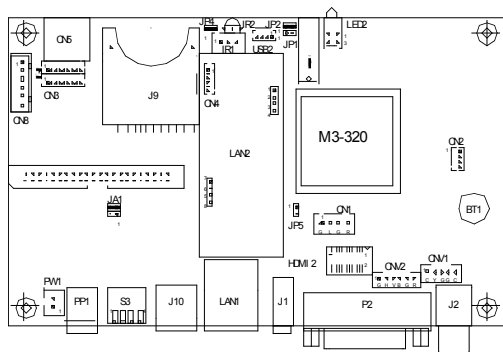


RJ-11 to RS-232 cable
P/N: 426894301-3

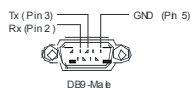


Barcode scanner

For M3-320



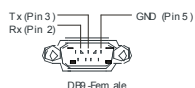
RJ-11 to RS-232 cable
P/N: 4268 94301-3



DB9-Male



Barcode Scanner



DB9-Female

3 Operation

Barcode table setup (for DV Studio)

This section describes how to use DV Studio to create the barcode lookup table. The software version requires Ver 1.4.023.03 or later. The barcode function is only applied in the M3-200/300 and ViewStream™ 200/300 that has RS-232 port supported.

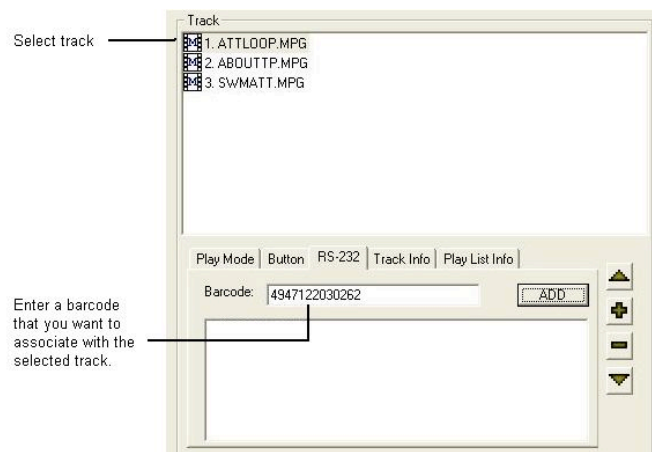
3.1. Opening the barcode table window

- Click the RS-232 button



3.2. Add the barcode item

- Select track, and then enter barcode in the **Barcode** field. The code can be in Alpha-numeric type but the maximum length is 14 characters.



- Click **Add** to insert the barcode item in the table.



3.3. Delete the barcode item

- Select the barcode that you want to delete. (Now the **Add** button will change to **Delete** button)
- Click **Delete/Remove** button to remove the barcode.

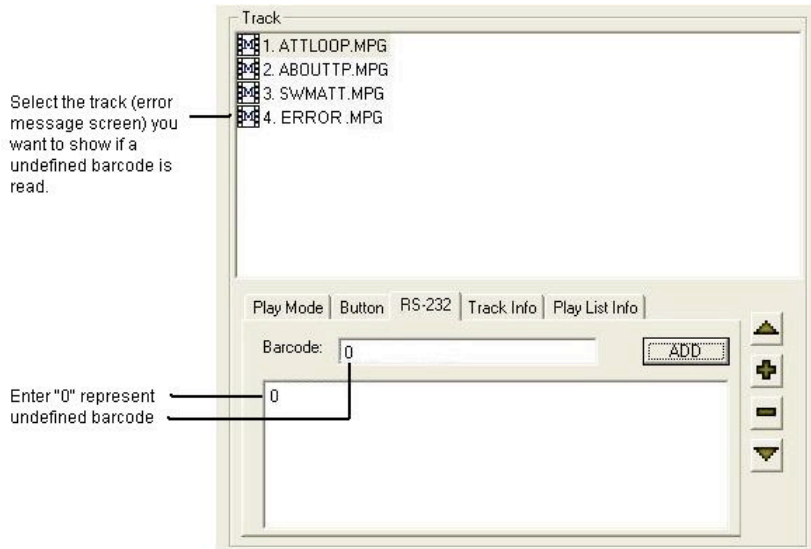


3.4. Define a “Undefined Barcode” Track

Sometimes you want to jump to the same “message screen” when all undefined barcodes are scanned

- Select the track you want to show when the barcode scanned is undefined.

- Enter "0" in the Barcode field, then click Add to insert in the table.



3.5. BARCODE.INI

Once you defined all barcode and track in DV Studio, you are possible to modify them later by editing of "Barcode.ini"

- Please see the example of **Barcode.ini** as follows:

```
[Barcode]
BC1=2002072411119
BC2=2002072411126
BC3=2002072411133
BC4=2002072411140
BC5=2002072411157
BC6=2002072411164
BC7= 0
[2002072411119]
BC1 playlist=0
BC1 track=3
[2002072411126]
BC2 playlist=0
BC2 track=4
[2002072411133]
BC3 playlist=0
BC3 track=5
[2002072411140]
BC4 playlist=0
BC4 track=6
[2002072411157]
BC5 playlist=0
BC5 track=7
[2002072411164]
BC6 playlist=0
BC6 track=8
[0]
BC7 playlist=0
BC7 track=9
```

Referring to the same playlist (the 1st playlist)

Appendix A - Barcode Test sheet

 <p>4 006381 333627</p>	<p>EAN / JAN -13</p>		<p>VSPLUS.mpg (still image)</p>
 <p>9 556089 885201</p>	<p>EAN / JAN -13</p>		<p>REMOTE.mpg (still image)</p>
 <p>4 891081 379088</p>	<p>EAN / JAN -13</p>		<p>RP3W.mpg (still image)</p>
 <p>4 901690 006333</p>	<p>EAN / JAN -13</p>		<p>VF064.mpg (still image)</p>
 <p>2 002067 487396</p>	<p>EAN / JAN -13</p>		<p>MP215_6.mpg (video + audio)</p>
 <p>2 900945 784738</p>	<p>EAN / JAN -13</p>		<p>MP215_5.mpg (video + audio)</p>

Appendix B – Barcode reader setting

Baud Rate	9600bps (N, 8, 1) for M3-300 / ViewStream™ 300 9600bps (N, 8, 1) for M3-320 / ViewStream™ 320
Interface	RS-232
Record Suffix	CR (0D Hex)

CAUTION

Whilst care has been taken to provide as much detail as possible for use of this product it cannot be relied upon as an exhaustive source of information. This product is for use by suitably qualified persons who understand the nature of the work they are doing and are able to take suitable precautions and design and produce a product that is safe and meets regulatory requirements.

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Specifications subject to change without notice

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