

MB1 PAD Extraction Guide

You may have noticed that MB1 and MB2 now Have green and yellow lights on Pad Data LED in the XDS login screen. (Green means a recent message was received and yellow is an older message)

	Program	PID	Pad Data	Audio Level
Audio Port A & AES/EBU	Moody 1 New	1205	Yellow	L: 3.63 dBu R: 2.85 dBu
Audio Port B & AES/EBU	Moody 2 New	1206	Green	L: 5.98 dBu R: 3.63 dBu
Audio Port C & AES/EBU	MR-Karl and Crew II (MB3)	1021	Grey	L: -1.05 dBu R: -0.66 dBu
Audio Port D & AES/EBU	MR-Pre-News_Silence60	1000	Grey	L: -70.00 dBu R: -70.00 dBu

Select Programming

When you click on one of these LEDs it will show you the most recent Metadata messages it received from our automation system in Chicago.

PAD Data for Port A

Last received Wed May 13 2026 06:59:59 GMT-0500 (Central Daylight Time)

SONGTITLE=Moody Broadcasting
 ARTISTNAME=Network
 DURATION=05:00
 SONGTITLE=Living Hope
 ARTISTNAME=Philip Miller
 DURATION=24:58

CLOSE X

The format we are sending the METADATA is:

SONGTITLE=_____ARTISTNAME=_____DURATION=_____

We have chosen this format to work with the RT+ tags in the Inovonics 732 RDS unit.

Dynamic PS

DPS:	Moody Radio <ITEM.TITLE> <ITEM.ARTIST>	Save
Tags:	None	Add Tag

Parse:

Parse:	Auto	
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DPS Speed (Sec):

3	
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DPS Defaults

DPS Default:	Moody Radio Moody Radio Network	Save
DPS Timer (Min):	0	

RadioText

RT1 (Main):	Moody Radio / <ITEM.TITLE> / <ITEM.ARTIST>	Save
Tags:	None	Add Tag

SONGTITLE matches the <ITEM.TITLE> and ARTISTNAME matches the <ITEM.ARTIST>.

The DURATION Tag works with countdown feature built into the 732 unit.

PILOT	TCP	UDP	COM
Duration: 00:02:30			
PS	PI	PTY	
Moody	65D3	Religious Talk	
RadioText			35 / 64
Moody Radio / Moody Radio / Network			
RT+1		RT+2	
01 Title - Moody Radio		04 Artist - Network	

All of that to say if you would like to use the Metadata from MB1, you can do so by making a custom DB9 cable and by Changing the Baud rate on the XDS to 9600.

Step One – Set the correct Baud Rate:

Login to the XDS using the admin user with the flash! password.

Navigate to the Console tab to access Hudson.

Type – PAD BAUD,0,9600

(This assumes that MB1 is on audio port A. If MB1 is on B, C, or D, use the same command just change the ,0, to ,1, for port B ,2, for port C and ,3, for port D.) Example if MB1 is on audio port C the command would be: PAD BAUD,2,9600

Step Two – Create the Custom Cable:

Pins 1 and 6 (gnd) = PAD Data 0 (logical) on audio programmed to Audio Port A

Pins 2 and 7 (gnd) = PAD Data 1 (logical) on audio programmed to Audio Port B

Pins 3 and 8 (gnd) = PAD Data 2 (logical) on audio programmed to Audio Port C

Pins 4 and 9 (gnd) = PAD Data 3 (logical) on audio programmed to Audio Port D

I would recommend a solderless connector for the custom DP9 connectors for beginners.

https://www.amazon.com/gp/product/B09BKYFV32/ref=ox_sc_act_title_1?smid=AT7CXRZY4WGUQ&th=1

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If MB1 is on Audio Port A Then you would need to wire Pin 1 for Signal and Pin 6 for ground to a male DP9 connetor. This will then plug into the PAD port on the back of the XDS.



The other end of the cable will depend on what device you want hook it up to. We are using a Serial to IP converter like this one:

https://www.amazon.com/gp/product/B07C1TC165/ref=ox_sc_act_title_1?smid=A2LNZEPI7X9Y44&th=1

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Hardware Interface	Ethernet
Color	Server + Terminal part
Compatible	Desktop

To complete the custom cable connect pin 1 from the XDS to Pin2 (RS232 Receive Data) on the female end. Then connect pin 6 from the XDS to pin 5 (RS232 Ground) on the female end.

You can also use the same wiring scheme with a male connector and plug it directly into the inovonics 732's RS232 port.

If you would like to use the MB1 metadata to feed your stream or other outlets I would recommend using some kind of middleware. At Moody we are using NodeRed as our middleware, but there are plenty of other options.