

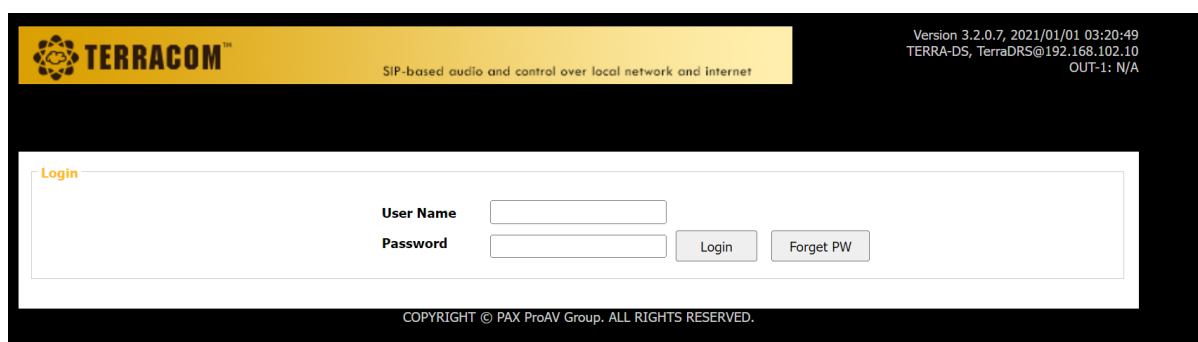
Terra DS streaming from an NVR to Penton IP speakers

Last updated 18/08/22

Each Terra DS1 will be shipped set to the default IP Address of

192.168.102.10

Navigate to the devices address using a normal Web browser.

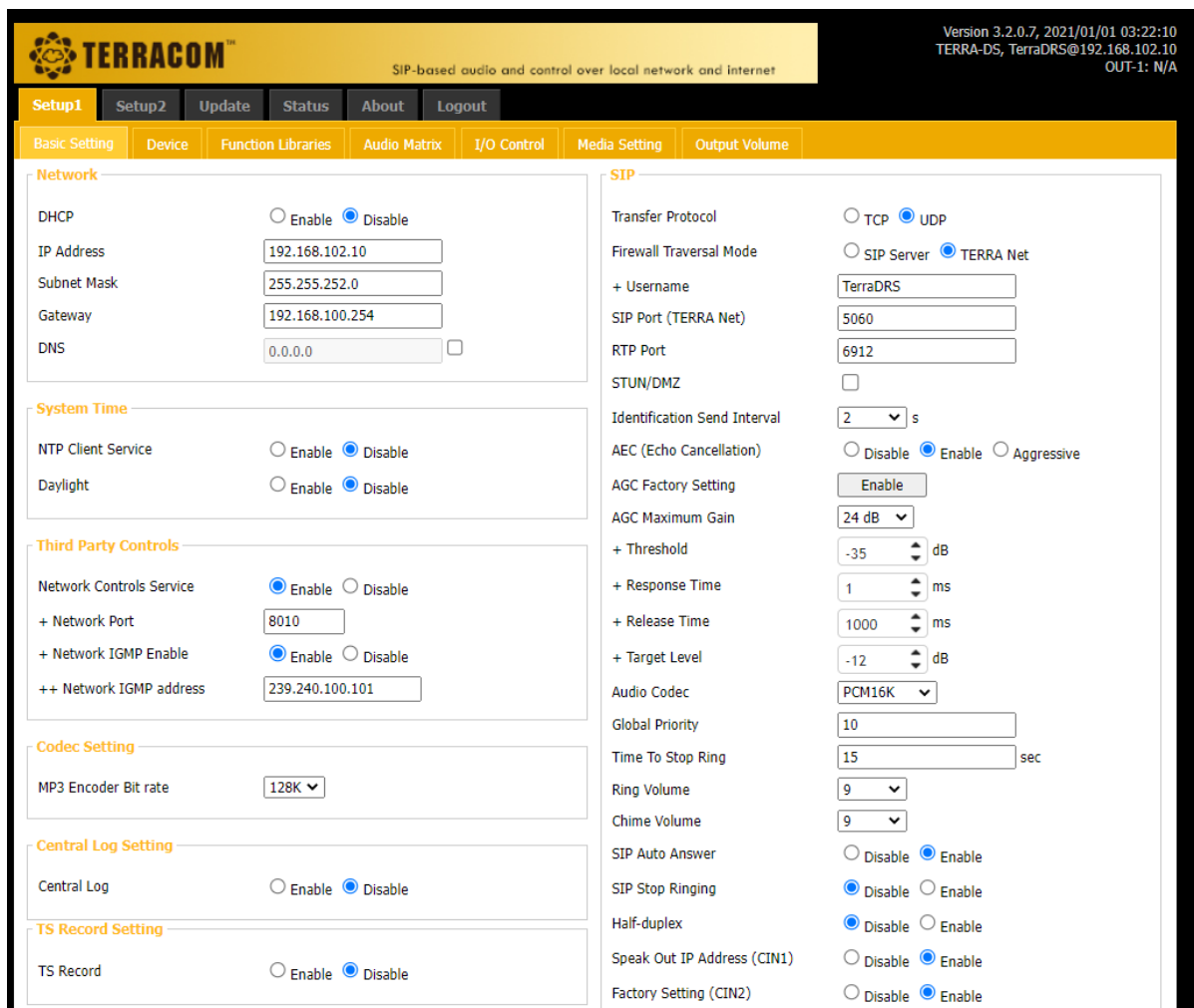


The screenshot shows the web interface for Terra DS. At the top left is the TERRACOM logo with the tagline 'SIP-based audio and control over local network and internet'. At the top right, it displays 'Version 3.2.0.7, 2021/01/01 03:20:49', 'TERRA-DS, TerraDRS@192.168.102.10', and 'OUT-1: N/A'. The main content area is a login form with a 'Login' heading. It contains two input fields: 'User Name' and 'Password'. To the right of the 'Password' field are two buttons: 'Login' and 'Forget PW'. At the bottom of the page, it says 'COPYRIGHT © PAX ProAV Group. ALL RIGHTS RESERVED.'

The default User Name and Password are

admin / admin

Under the Setup Tab you can define a manual IP address or enable DHCP in the basic setting



TERRACOM™ SIP-based audio and control over local network and internet
Version 3.2.0.7, 2021/01/01 03:22:10
TERRA-DS, TerraDRS@192.168.102.10
OUT-1: N/A

Setup1 | Setup2 | Update | Status | About | Logout

Basic Setting | Device | Function Libraries | Audio Matrix | I/O Control | Media Setting | Output Volume

Network

DHCP Enable Disable
 IP Address
 Subnet Mask
 Gateway
 DNS

System Time

NTP Client Service Enable Disable
 Daylight Enable Disable

Third Party Controls

Network Controls Service Enable Disable
 + Network Port
 + Network IGMP Enable Enable Disable
 ++ Network IGMP address

Codec Setting

MP3 Encoder Bit rate

Central Log Setting

Central Log Enable Disable

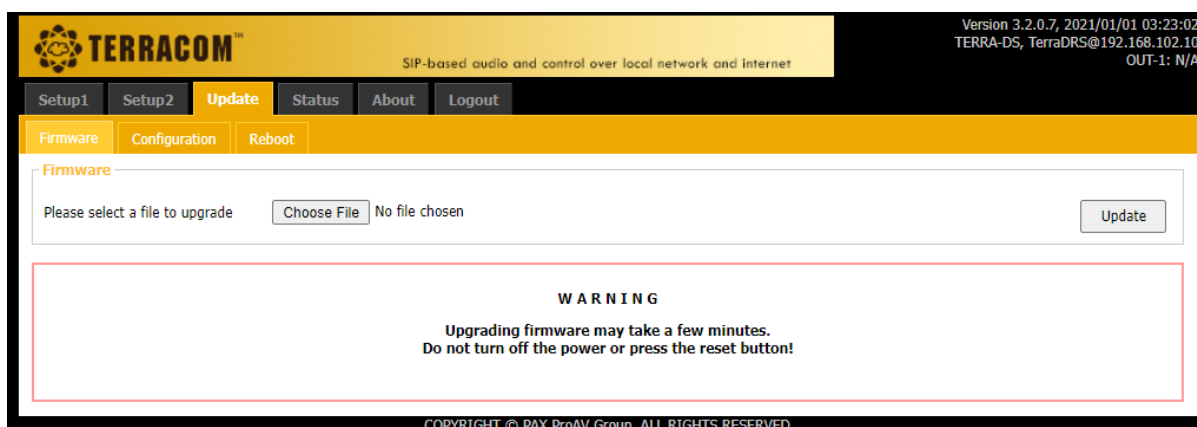
TS Record Setting

TS Record Enable Disable

SIP

Transfer Protocol TCP UDP
 Firewall Traversal Mode SIP Server TERRA Net
 + Username
 SIP Port (TERRA Net)
 RTP Port
 STUN/DMZ
 Identification Send Interval s
 AEC (Echo Cancellation) Disable Enable Aggressive
 AGC Factory Setting
 AGC Maximum Gain
 + Threshold dB
 + Response Time ms
 + Release Time ms
 + Target Level dB
 Audio Codec
 Global Priority
 Time To Stop Ring sec
 Ring Volume
 Chime Volume
 SIP Auto Answer Disable Enable
 SIP Stop Ringing Disable Enable
 Half-duplex Disable Enable
 Speak Out IP Address (CIN1) Disable Enable
 Factory Setting (CIN2) Disable Enable

After hitting the “Save” button on the lower right, navigate to the “Update” tab and press “Reboot”



TERRACOM™ SIP-based audio and control over local network and internet
Version 3.2.0.7, 2021/01/01 03:23:02
TERRA-DS, TerraDRS@192.168.102.10
OUT-1: N/A

Setup1 | Setup2 | Update | Status | About | Logout

Firmware | Configuration | Reboot

Firmware

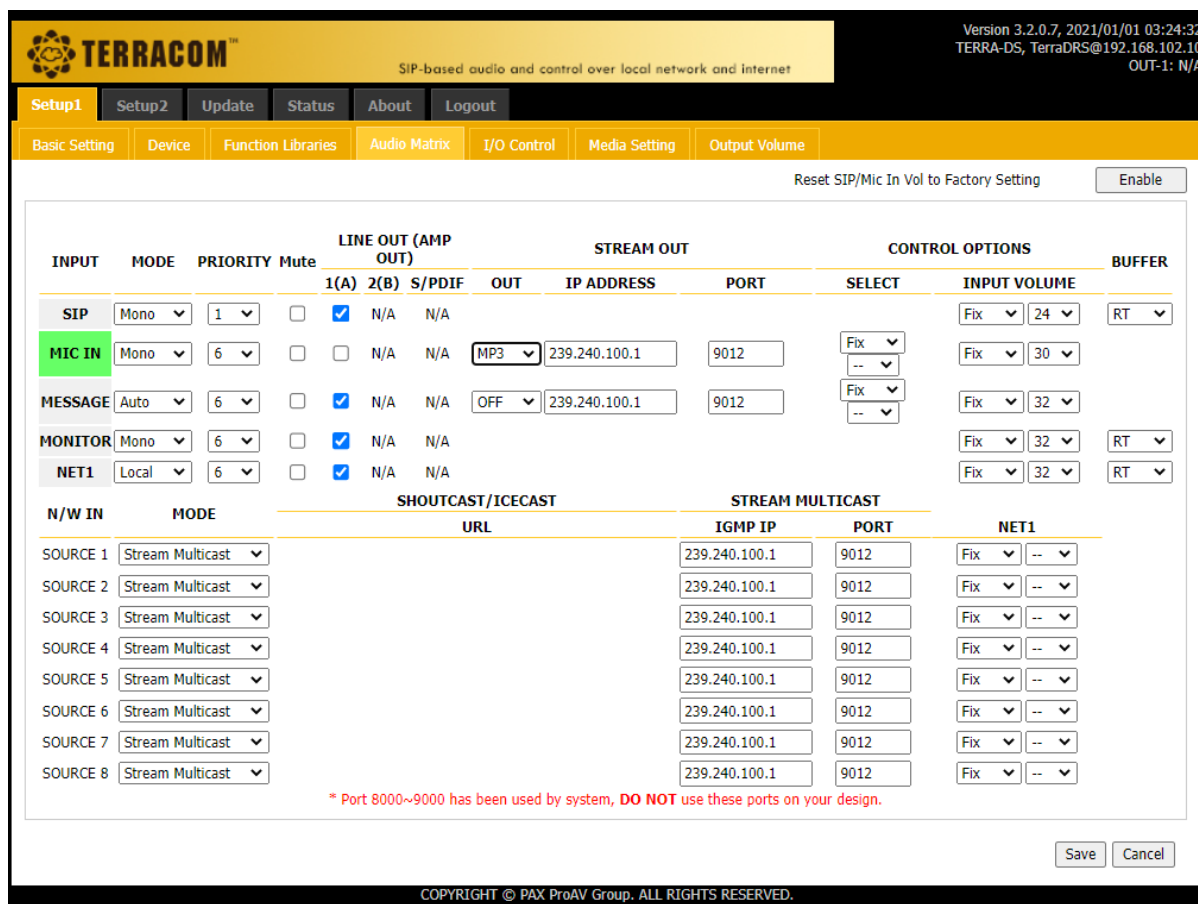
Please select a file to upgrade No file chosen

WARNING
 Upgrading firmware may take a few minutes.
 Do not turn off the power or press the reset button!

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The Terra DS1 will reboot with the new address.

Under Setup -> Audio matrix select the “mp3” mode for the MIC IN input.



Version 3.2.0.7, 2021/01/01 03:24:32
TERRA-DS, TerraDRS@192.168.102.10
OUT-1: N/A

Setup1 Setup2 Update Status About Logout

Basic Setting Device Function Libraries Audio Matrix I/O Control Media Setting Output Volume

Reset SIP/Mic In Vol to Factory Setting

INPUT	MODE	PRIORITY	Mute	LINE OUT (AMP OUT)		STREAM OUT		CONTROL OPTIONS			BUFFER	
				1(A)	2(B) S/PDIF	OUT	IP ADDRESS	PORT	SELECT	INPUT VOLUME		
SIP	Mono	1	<input type="checkbox"/>	<input checked="" type="checkbox"/>	N/A	N/A				Fix	24	RT
MIC IN	Mono	6	<input type="checkbox"/>	<input type="checkbox"/>	N/A	N/A	MP3	239.240.100.1	9012	Fix	30	
MESSAGE	Auto	6	<input type="checkbox"/>	<input checked="" type="checkbox"/>	N/A	N/A	OFF	239.240.100.1	9012	Fix	32	
MONITOR	Mono	6	<input type="checkbox"/>	<input checked="" type="checkbox"/>	N/A	N/A				Fix	32	RT
NET1	Local	6	<input type="checkbox"/>	<input checked="" type="checkbox"/>	N/A	N/A				Fix	32	RT

N/W IN	MODE	SHOUTCAST/ICECAST		STREAM MULTICAST		NET1
		URL		IGMP IP	PORT	
SOURCE 1	Stream Multicast			239.240.100.1	9012	Fix --
SOURCE 2	Stream Multicast			239.240.100.1	9012	Fix --
SOURCE 3	Stream Multicast			239.240.100.1	9012	Fix --
SOURCE 4	Stream Multicast			239.240.100.1	9012	Fix --
SOURCE 5	Stream Multicast			239.240.100.1	9012	Fix --
SOURCE 6	Stream Multicast			239.240.100.1	9012	Fix --
SOURCE 7	Stream Multicast			239.240.100.1	9012	Fix --
SOURCE 8	Stream Multicast			239.240.100.1	9012	Fix --

* Port 8000~9000 has been used by system, DO NOT use these ports on your design.

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This will setup the Terra DS1 to stream any audio received on that input to

239.240.100.1:9012

Since this is the default network stream port that every Penton IP speaker is listening to out of the box you should immediately be able to hear audio over the speakers once you hit the “Save” button.

Physical connection:

The NVR will most likely provide an unbalanced output (RCA or 1 core + shield). Wire the positive (usually red or white colour) into the (+) terminal of the MIC IN on the DS1.

The negative / shield will be wired into (-)