

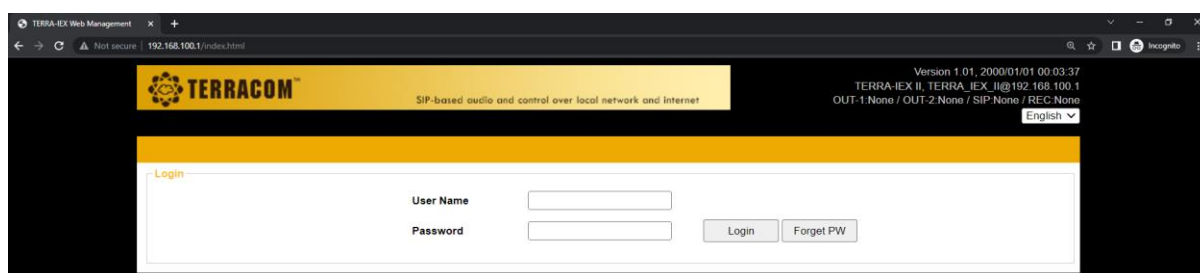
Terra IEXII streaming from an NVR to Penton IP speakers

Last updated 18/08/22

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

192.168.100.1

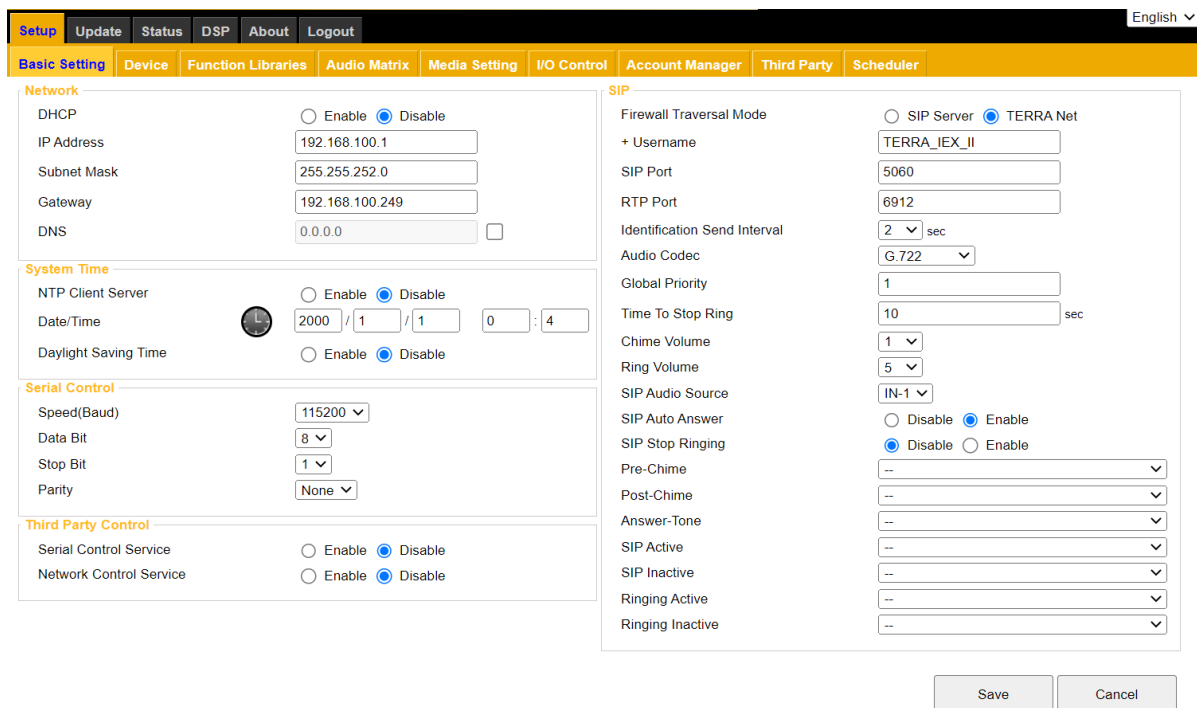
Navigate to the devices address using a normal Web browser.



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



The screenshot shows the 'Setup' page of the TerraCom interface. The 'Basic Setting' tab is active, with sub-tabs for 'Network', 'System Time', 'Serial Control', and 'Third Party Control'. The 'SIP' configuration is also visible on the right side.

Network Settings:

- DHCP: Enable Disable
- IP Address: 192.168.100.1
- Subnet Mask: 255.255.252.0
- Gateway: 192.168.100.249
- DNS: 0.0.0.0

System Time Settings:

- NTP Client Server: Enable Disable
- Date/Time: 2000 / 1 / 1 0 : 4
- Daylight Saving Time: Enable Disable

Serial Control Settings:

- Speed(Baud): 115200
- Data Bit: 8
- Stop Bit: 1
- Parity: None

Third Party Control Settings:

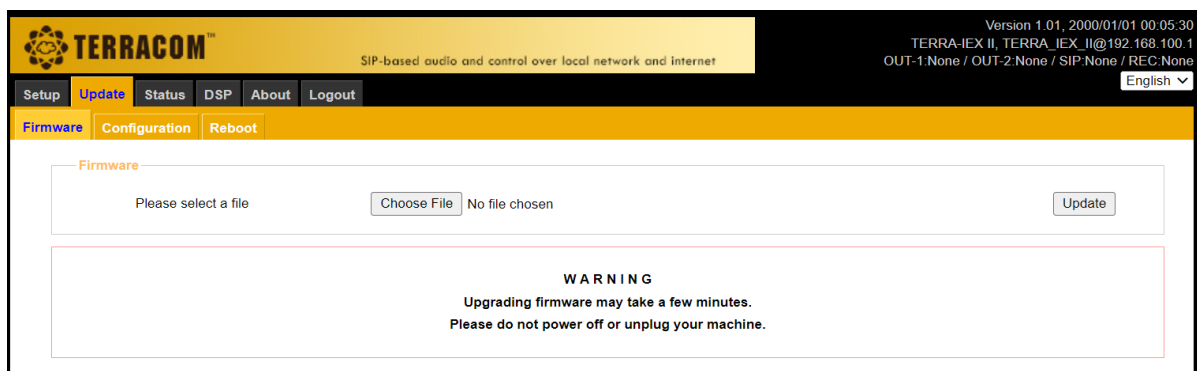
- Serial Control Service: Enable Disable
- Network Control Service: Enable Disable

SIP Settings:

- Firewall Traversal Mode: SIP Server TERRA Net
- + Username: TERRA_IEX_II
- SIP Port: 5060
- RTP Port: 6912
- Identification Send Interval: 2 sec
- Audio Codec: G.722
- Global Priority: 1
- Time To Stop Ring: 10 sec
- Chime Volume: 1
- Ring Volume: 5
- SIP Audio Source: IN-1
- SIP Auto Answer: Disable Enable
- SIP Stop Ringing: Disable Enable
- Pre-Chime: --
- Post-Chime: --
- Answer-Tone: --
- SIP Active: --
- SIP Inactive: --
- Ringling Active: --
- Ringling Inactive: --

Buttons: Save, Cancel

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



The screenshot shows the 'Update' tab of the TerraCom interface. The 'Firmware' sub-tab is active, displaying a file selection area and a warning message.

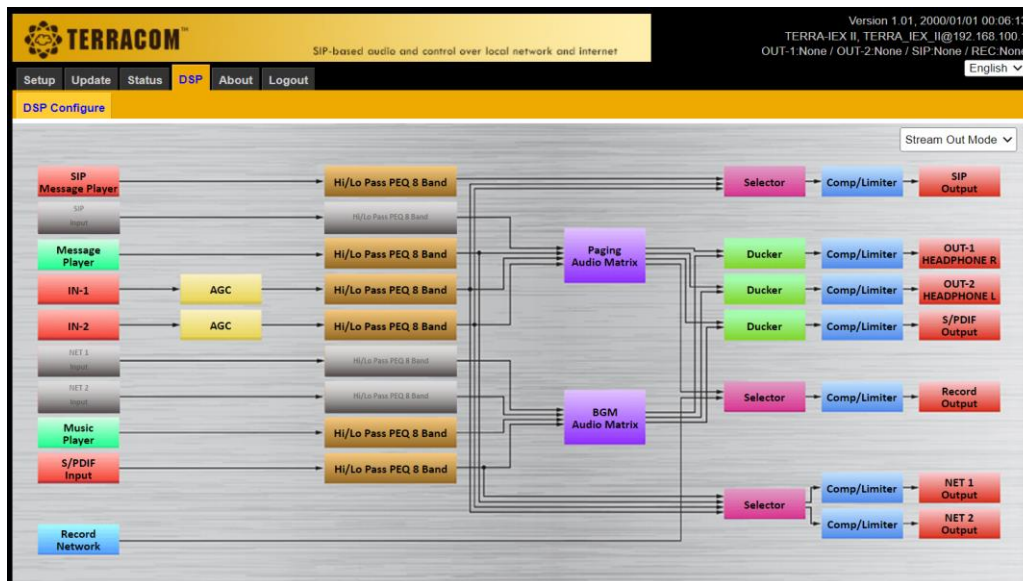
Firmware Update Section:

Please select a file No file chosen

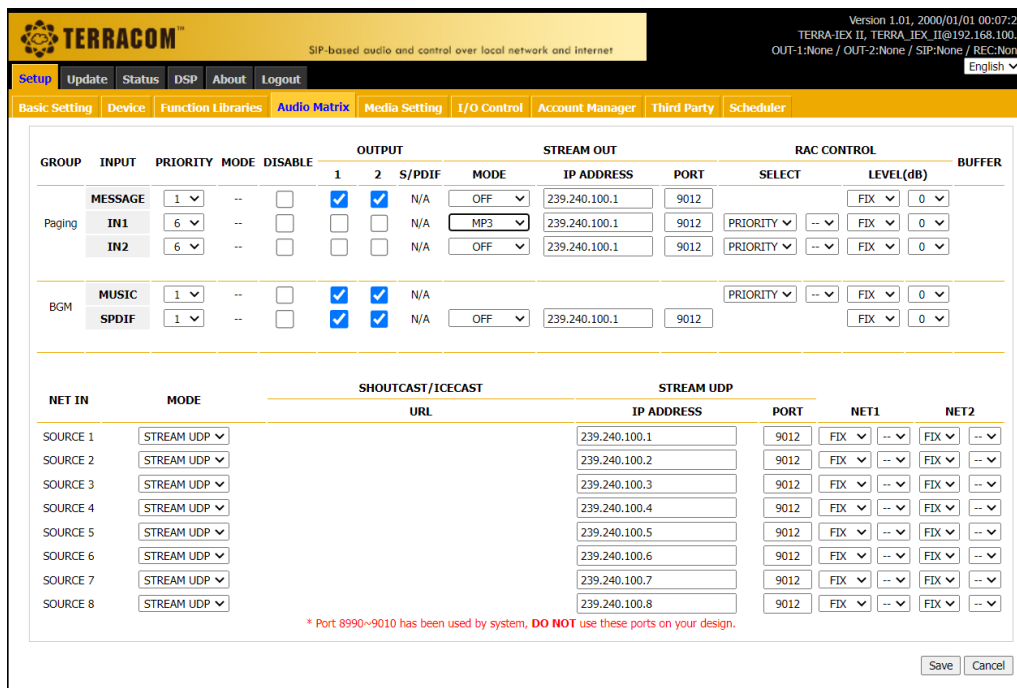
WARNING
 Upgrading firmware may take a few minutes.
 Please do not power off or unplug your machine.

The Terra-IEXII will reboot with the new address.

Navigate to the DSP Tab and switch the device to “Stream Out Mode”



Under Setup -> Audio matrix select the “mp3” mode for Input 1 or 2



GROUP	INPUT	PRIORITY	MODE	DISABLE	OUTPUT			STREAM OUT			RAC CONTROL			BUFFER
					1	2	S/PDIF	MODE	IP ADDRESS	PORT	SELECT	LEVEL(dB)		
Paging	MESSAGE	1	--	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N/A	OFF	239.240.100.1	9012	PRIORITY	FIX	0	<input type="checkbox"/>
	IN1	6	--	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	N/A	MP3	239.240.100.1	9012	PRIORITY	FIX	0	<input type="checkbox"/>
	IN2	6	--	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	N/A	OFF	239.240.100.1	9012	PRIORITY	FIX	0	<input type="checkbox"/>
BGM	MUSIC	1	--	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N/A	OFF	239.240.100.1	9012	PRIORITY	FIX	0	<input type="checkbox"/>
	SPDIF	1	--	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N/A	OFF	239.240.100.1	9012	PRIORITY	FIX	0	<input type="checkbox"/>

NET IN	MODE	SHOUTCAST/ICECAST		STREAM UDP			
		URL	IP ADDRESS	PORT	NET1	NET2	
SOURCE 1	STREAM UDP		239.240.100.1	9012	FIX	FIX	
SOURCE 2	STREAM UDP		239.240.100.2	9012	FIX	FIX	
SOURCE 3	STREAM UDP		239.240.100.3	9012	FIX	FIX	
SOURCE 4	STREAM UDP		239.240.100.4	9012	FIX	FIX	
SOURCE 5	STREAM UDP		239.240.100.5	9012	FIX	FIX	
SOURCE 6	STREAM UDP		239.240.100.6	9012	FIX	FIX	
SOURCE 7	STREAM UDP		239.240.100.7	9012	FIX	FIX	
SOURCE 8	STREAM UDP		239.240.100.8	9012	FIX	FIX	

* Port 8990-9010 has been used by system, DO NOT use these ports on your design.

This will setup the Terra IEX 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 on the IEX. The negative / shield will be wired into both (-) and (s)

