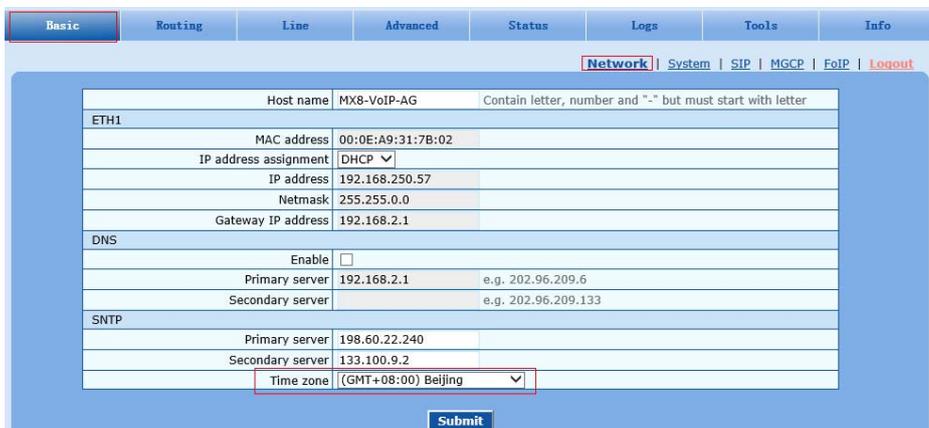


MX Gateway Locale Settings

This note describes the configuration of parameters which you need to modify according to your regional preference, including time zone, digit map, call progress tones and etc. It is important to set up these parameters correctly before you start using the device.

Time Zone

The time and time stamps are used in features and logs. The factory default time zone is UTC/GMT+08:00 hours. You can make the change at **Basic > Network**.



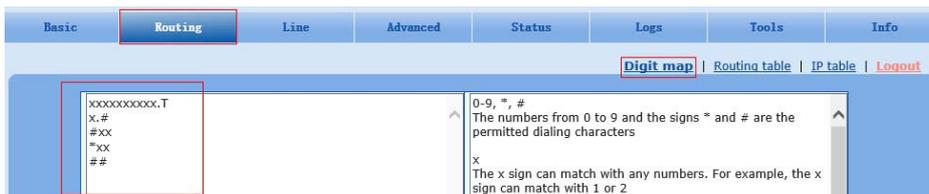
The screenshot shows the 'Basic' configuration page for the MX8-VoIP-AG device. The 'Network' tab is selected. The 'Time zone' dropdown menu is highlighted, showing '(GMT+08:00) Beijing' as the selected option. Other visible settings include Host name (MX8-VoIP-AG), MAC address (00:0E:A9:31:7B:02), IP address (192.168.250.57), Netmask (255.255.0.0), Gateway IP address (192.168.2.1), and DNS/SNTP servers.

Digit Map

The Digit map is used to define the dial plan of your device. Carefully setting up the rules in the digit map helps the device to recognize the ending of dialed numbers and thus speeds up the call process. The factory default digit map is set per national dial plan of China. If it does not fit your dial plan, you have two choices:

- Remove all rules in the digit map but the last five, which allows use timeout or # as the ending of dialed numbers
- Redefine the digit map to fit your dial plan

The digit map can be modified at **Routing > Digit map**.



The screenshot shows the 'Routing' configuration page for the MX8-VoIP-AG device. The 'Digit map' field is highlighted, containing the text 'xxxxxxxx.T'. The help text below explains that '0-9, *, #' are permitted dialing characters, and 'x' can match with any numbers.

Caller ID Types

There are two different ways to transmit caller ID information, FSK and DTMF. The factory default is FSK, and you can select the type used in your region at **Advanced > Line**.

Parameter	Value	Default
Gain to IP	0(dB)	
Gain to terminal	-3(dB)	
Impedance	Complex	
Min. hookflash	75	25-780(ms), default 75
Max. hookflash	80	80-1400(ms), default 800
Hook debouncing	50	10-1000(ms), default 50
Ring frequency	25	15-50(Hz), default 20
Caller release	60	15-180(s), default 60. Also see " Disconnect supervision " in page " Line > Feature "
Outpulsing delay	0	0-20000(ms), 0: Outpulsing disable
Loop open interval	1000	100-6000(ms)
Polarity reversal	<input checked="" type="radio"/> Outgoing <input type="radio"/> Bi-direction	
Polarity reversal delay	5	0-30(s), default 3
Call ID transmit	FSK <input type="checkbox"/> SDMF <input type="checkbox"/> Before ringing <input type="checkbox"/> With parity <input type="checkbox"/>	
Music on hold	<input type="checkbox"/>	
Call waiting with hunt group	<input type="checkbox"/>	
Message Waiting Indication	Disable	

The Impedance of FXO

The impedance setting of FXO port must match the expectation of your local PSTN. The factory default is **Complex**, and you can select **600 (Ohm)** or **900 (Ohm)** at **Advanced > Trunk**.

Parameter	Value	Default
Gain to IP	0(dB)	
Gain to PSTN	-3(dB)	
Impedance	Complex	
Outpulsing delay	600	0-20000(ms), default 400
Ring relay	<input type="radio"/> FXS ring sync with FXO <input checked="" type="radio"/> FXS ring independently	

Busy Tone Detection

In order for the device to detect the busy signal correctly, you need to define the setting of busy tone according to your country's tone plan. In some countries the busy tone employs two tones and in other countries it consists of only one tone. The frequency of the tones and on/off times can be defined at **Advanced > Trunk**. The factory default setting is single tone at 450Hz with on and off time of 0.35 seconds.

Parameter	Value	Default
Inbound first digit timeout	24	10-60(s), default 24. Timeout of collecting DTMF on FXO for inbound call
Answer delay	12	10-60(s), default 12. Also see " Connect signal delay " in page " Line > Trunk "
Off-hook for rejection	1000	500-5000(ms), default 600
On-hook protection time	400	100-5000(ms), default 400
Polarity detection	<input checked="" type="checkbox"/>	
Busy		
Repeat	2	2-5 (cycle), default 2
On-time	350	30-1000(ms), default 350
Off-time	350	30-2000(ms), default 350
Detect dual-frequency busy tones	<input type="checkbox"/>	

