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**.

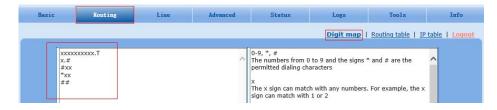
Basic	Routing	Line	Advanced	Status	: L	ogs	Tools	Info
					Networ	k Syster	n <u>SIP</u> <u>MGCP</u>	FoIP Logo
1		Host name	MX8-VoIP-AG	Contain let	ter, number and	"-" but mu	st start with letter	
ETH1								
		MAC address	00:0E:A9:31:7B:02					
	IP add	ress assignment	DHCP 🗸					
		IP address 3	192.168.250.57					
		Netmask 2	255.255.0.0					
	Gat	eway IP address	192.168.2.1					
DNS								
-		Enable [
		Primary server	192.168.2.1	e.g. 202.96	5.209.6			
	189	econdary server		e.g. 202.96	5.209.133			
SNTP)							
			198.60.22.240					
	S	econdary server						
		Time zone	(GMT+08:00) Beijing	~				
			Subn	nit				

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**.



Caller ID Types

There are two defferent 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**.

Basic	Routing Line	Advanced	Status	Logs	Tools	Info
	System Security White list	Media stream SIP	Line Trunk RA	DIUS Encryption	<u>Tones</u> <u>Feature</u> of	odes Logout
Γ	Gain to IP	0(dB) V				¬ ^
	Gain to terminal	-3(dB) 🗸				_
	Impedance	Complex 🗸				
	Min. hookflash	75	25-780(ms), defa	ult 75		
	Max. hookflash	80	80-1400(ms), de	fault 800		
	Hook debouncing	50	10-1000(ms), de	fault 50		
	Ring frequency	25	15-50(Hz), defau	lt 20		
	Caller release	60	15-180(s), defau	t 60. Also see " Disc	onnect supervision " i	n
_	Callel Telease	page " Line > Feature	e "			
	Outpulsing delay	0	0-20000(ms), 0:	Outpulsing disable		
	Loop open interval	1000	100-6000(ms)			
	Polarity reversal	Outgoing O Bi	-direction			
	Polarity reversal delay	5	0-30(s), default 3	3		
	Call ID transmit	FSK V SDMF V E	Before ringing 🗸 With	n parity 🗸		
	Music on hold					
	Call waiting with hunt group					
	Message Waiting Indication	Disable 🗸				
	Distinctive Alert / Ringing					

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**.

Basic	Routing	Line	Advanced	Status	Logs	Tools	Info
	System Security	<u>White list</u> M	ledia stream <u>SIP</u> <u> </u>	Line Trunk RA	DIUS Encryption	Tones Feature	codes Logout
		Gain to IP					
		Gain to PSTN					
		Impedance	Complex 🗸				
	0	utplusing delay	600	0-20000(ms),defa	ault 400		
		Ring relay	O FXS ring sync with	FXO 💿 FXS ring	independently		
		P 1 0	<u></u>	×			

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 been defined at **Advanced > Trunk**. The factory default setting is single tone at 450Hz with on and off time of 0.35 seconds.

asic	Routing	Line	Advanced	Status	Logs	Tools	Info
311	<u>S</u>	ystem Media s	tream <u>SIP</u> Line	Trunk RADIUS	Encryption To	nes Feature code	es <u>Loqou</u>
	Inbound fi	rst digit timeout	4 bound call	10-60(s), default	24. Timeout of colle	ecting DTMF on FXO fo	r
		Answer delay	.2 age " Line > Trunk "	10-60(s), default	12. Also see " Con	nect signal delay " in	
	Off-ho	ook for rejection 1	.000	500-5000(ms), d	efault 600		
	On-hook	protection time 4	100	100-5000(ms), d	efault 400		
	P	olarity detection	~				
Busy	1						
		Repeat 2	2	2-5 (cycle), defau	ult 2		
		On-time 3	50	30-1000(ms), de	fault 350		
		Off-time 3	50	30-2000(ms), de	fault 350		
	Detect dual-freque	ency busy tones					

Call Progress Tones

The device generates the call progress tones according to the tone setting. There are tone plans of ten countries predefined in the device, and you can select one of them. Or, you can define the tone plan at **Advanced > Tones**.

System	Security	White lis	st Med	lia stream <u>SIP</u> Li	ne <u>Trunk</u> <u>RAD</u>	IUS Encryption	Tones Feature	codes	
Country/Region	China	~			350+440			^	
Dial	450/0				Indicates the dual	l-frequency tone of 3	50 Hz and 440 Hz		
2nd dial	450/0	50/0			480+620/500,0/500 Indicates that the dual-frequency tone of 480 Hz and 620				
Message waiting	450/100,0)/100,450	/100,0/1	.00,450/100,0/100,4	Hz is played with half second on and half second off. The				
Busy	450/350,0)/350							
Congestion	450/700,0	/700							
Ring back	450/1000,	,0/4000			950/333.1400/33	3,1800/333,0/1000			
Disconnect					Indicates that the	tone of 950 Hz is pla			
Call waiting	450/400,0	/4000			milliseconds, the	tone of 1400 Hz is pl tone of 1800 Hz is pl	ayed for 333	-	
Confirmation	450/100,0	/100,450	/100,0/1	00,450/100,0/100		the mute is retained is repeated consecution		~	