

## Elastix and the Digium G100 Series

The new Digium G100 and G200 gateways have a bit of a BUG when it comes to using them in the UK.

This is to do with caller ID number. I have below set out the setting that we are using to get callerID number working in the UK. Key to this is the SIP Remote party ID.

Im not going to explain how to set one up step by step as if you are using this gateway you should be experienced enough and have access to an ISDN simulator.

The screenshot shows the Elastix configuration interface for a trunk and user. The 'Trunk Name' is 'owta\_q100'. The 'PEER Details' section contains the following configuration:

```
host=10.0.1.12
username=owta_q100
secret=
type=peer
qualify=yes
context=from-trunk
trustrid=yes
```

The 'Incoming Settings' section shows the 'USER Context' as 'owta\_pbx01\_q1'. The 'USER Details' section contains the following configuration:

```
secret=
type=user
context=from-trunk
qualify=yes
host=10.0.1.12
trustrid=yes
```

A 'NOTE' annotation with two arrows points to the 'trustrid=yes' lines in both the PEER and USER details sections. Below the 'Registration' section, the 'Register String' is shown as:

```
owta_q100:owta_q100@10.0.1
```

Elastix Trunk settings, Note the trustrid=yes, This is important as the gateway expects to get callerID name on the ISDN channels, In the UK we dont get this & this causes that gateway to replace it with the callerID Number, replacing this with the with Gateway peer name.

# Digium Gateway ISDN settings

Interface Type ?

T1  E1

Description

Framing

Coding

Line Build-Out

CRC4

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Advanced: Interface Type

Echo Cancellation

RX Gain   
Whole number -24 to 24 and multiple of 3.

TX Gain   
Whole number -24 to 24 and multiple of 3.

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Signaling ?

Line Signaling

Channel Summary

Signaling Role

Switchtype

Advanced: Signaling

Q.SIG Channel Mapping

Enable Caller ID

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PRI Options ?

PRI Dial Plan for Dialed Number

PRI Dial Plan for Dialing Number

International Prefix

National Prefix

Local Prefix

Private Prefix

Unknown Prefix

Network Specific Facility (NSF) Messages

Idle Bearer Reset  NO

Idle Bearer Reset Period

Overlap Dialing

Allow Progress When Call Released  NO

Out-of-Band Indications

Facility-based ISDN Supplementary Services

Exclusive Channel Selection  NO

Outbound Channel Selection

Ignore Remote Hold Indications  YES

Block Outbound Caller ID Name  NO

Wait for Caller ID Name

### ISDN Timers [?](#)

Layer 2 Outstanding Unacknowledged I-Frames - K

Layer 2 Number of Frame Retransmissions - N200

Layer 2 Frame Retransmission Time - T200

Layer 2 Time Without Frame Exchange - T203

Disconnect Acknowledge - T305

Release Acknowledge - T308

Enable Maintain Calls on Layer 2 Disconnection  NO

Maintain Calls on Layer 2 Disconnection - T309

Connect Acknowledge - T313

## Digium Gateway SIP settings

### Main Endpoint Settings [?](#)

Enable Advanced Options  YES

Name

Username

Password

Registration

Destination Number  
Number or string that should be used to call this endpoint.

Hostname or IP Address

Use UDP  YES

Use TCP  NO

NAT Traversal

#### Advanced: Registration Options

Authentication User

From User

From Domain

Remote Secret

Port

Qualify  NO

Qualify Frequency

**DTMF Settings** ?

DTMF Mode: RFC2833 (default)

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**Caller ID Settings** ?

Trust Remote-Party-ID:  YES

Send Remote-Party-ID: Yes, send Remote-Party-ID Header

Caller ID Presentation: Allowed, passed screen

**NOTE** (with arrows pointing to the 'Send Remote-Party-ID' and 'Caller ID Presentation' dropdowns)

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**Signaling Settings** ?

Advanced: Signaling Settings

Progress Inband: Never

Allow Overlap Dialing:  YES

Append user=phone to URI:  NO

Add Q.850 Reason Headers:  NO

Honor SDP Version:  YES

Allow Transfers:  YES

Authenticate Incoming Calls:  NO

Allow Promiscuous Redirects:  YES

Max Forwards: 70

Send TRYING on REGISTER:  NO

Outbound Proxy:

Note the caller ID settings here to send the RPID

main | Call Settings | **Media Settings** | Fax Settings

---

**Available Media Types** ?

ULAW (Default):  OFF

ALAW (Default):  ON

G722 (Default):  OFF

G726 (Default):  OFF

G729 (Default):  OFF

GSM (Default):  OFF

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**Media Preferences** ?

Codec Priority

Move	Priority	Codec
	1	ALAW

---

**Codec Options** ?

ALAW Packetization Rate: 20 milliseconds

ULAW Packetization Rate: 20 milliseconds

GSM Packetization Rate: 20 milliseconds

G722 Packetization Rate: 20 milliseconds

G726 Packetization Rate: 20 milliseconds

G726 Nonstandard:  NO