



Identifying Calling Numbers by Ringtone

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1 Function of Alert-Info

The numbers are identified according to the call type carried in the SIP alert-info field, and the corresponding ringtone is played.

2 Configuration Method

2.1 Bellcore-drX Format

This function is supported by the current version. The alert-info values are delivered by PBX. When the value of alert-info field carried in SIP Invite is Bellcore-dr1, the phone plays the first ringtone. (If the value is Bellcore-dr2, the second ringtone is played). In Figure 2-1, the third ringtone is played.

```
INVITE sip:179@192.168.1.12 SIP/2.0

Via: SIP/2.0/UDP 192.168.1.66:5060;rport;branch=z9hG4bKc0a801420131c9b145909a37000023ca0000000

From: "lihui"<sip:192.168.1.66>;tag=1001295319576

To: <sip:179@192.168.1.12>

CSeq: 1 INVITE

Contact: <sip:192.168.1.66:5060>

Call-ID: 637D17AF-A6CF-4D20-A26F-DB8CDCBCC9B0@192.168.1.66

User-Agent: Siphone/1.50.271d (SJ Labs)

Max-Forwards: 70

Alert-Info: Bellcore-dr3

Content-Type: application/sdp

Content-Length: 148
```

Figure 2-1 Fields in SIP message

Note: In the Bellcore-drX format, the value of x ranges from 1 to 5.

2.2 Customized Ringtone

The Bellcore-drX format can be used to distinguish ringtones, but is not flexible. The ringtones are configured by the PBX administrator and cannot be selected by the user. On the contrary, customized ringtone types are flexible. The alert-info field delivered by the server contains the call type, but the type information is not bound to a ringtone. Users can choose desired ringtones.

As shown in Figure 2-2, when the alert-info value delivered by the server is queue, you can configure the ringtones on the configuration interface.

```

Session Initiation Protocol (INVITE)
Request-Line: INVITE sip:129@10.172.0.168:5060 SIP/2.0
Message Header
Via: SIP/2.0/UDP 10.172.0.105:5060;branch=z9hg4bk-d8754z-531ba87dc17bad32-1---d8754z-;rport
Max-Forwards: 70
Contact: <sip:108@10.172.0.105:5060>
To: <sip:129@10.172.0.105:5060>
From: "TXX:Ext108 Snom 720"<sip:108@10.172.0.105:5060;nf=q>;tag=9d4c2146
Call-ID: ZDVmYTc4ZDK4MTM0NwVmRkYTVmZjk4YmI3NjB1YTg.
Cseq: 1 INVITE
Alert-Info: <http://www.notused.invalidtld>;info=queue
Allow: INVITE, ACK, CANCEL, OPTIONS, BYE, REGISTER, SUBSCRIBE, NOTIFY, REFER, INFO, MESSAGE
Content-Type: application/sdp
Supported: replaces

```

Figure 2-2

The screenshot shows the Fanvil X3S/X3SP web interface. The top navigation bar includes the Fanvil logo, language selection (English), a Logout button, and a user profile icon (adm). Below the navigation bar are several tabs: Features, Audio, MCAST, Time/Date, Advanced, Trusted Certificates, and Device Certificates. The main content area is titled 'Alert Info Ring Settings' and contains a table with three columns: Index, Value, and Ring Type. The first row is pre-filled with 'Alert Info', 'queue', and 'Type 9'. There are 10 rows in total. An 'Apply' button is located at the bottom of the table.

Index	Value	Ring Type
Alert Info	queue	Type 9
Alert Info		Type 2
Alert Info		Type 3
Alert Info		Type 4
Alert Info		Type 5
Alert Info		Type 6
Alert Info		Type 7
Alert Info		Type 8
Alert Info		Type 9
Alert Info		Type 1