

GXV3140 XML Based Downloadable Phonebook

1) Introduction

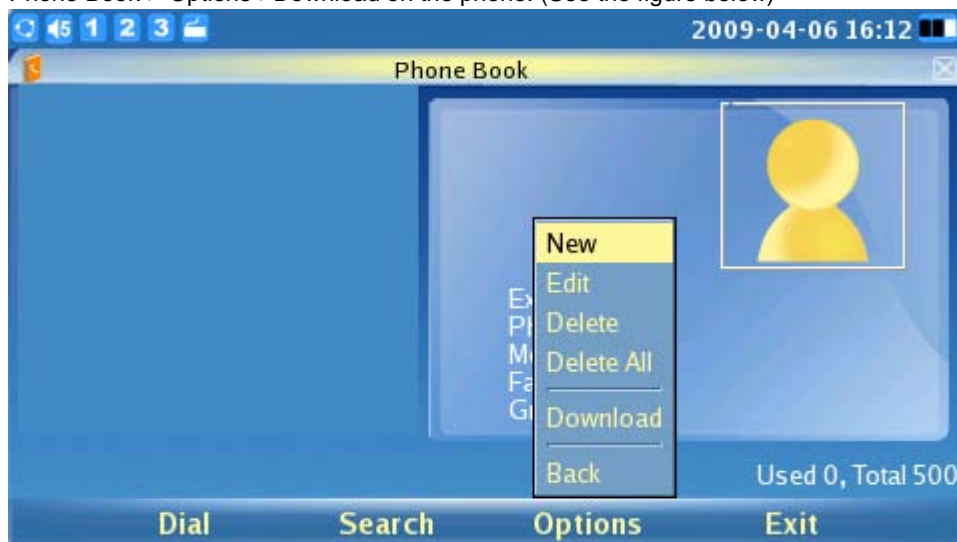
The Grandstream GXV3140 IP Multimedia phone enables you to share and maintain a phonebook through the web easily. It offers a user-friendly download method through the GXV3140 IP Multimedia phone's LCD interface.

The XML phonebook must be stored on a web-server. There are also applications where organizations will want to have a centralized directory server and have all phones in the organization synchronize with the server periodically.

2) How It Works and Configuration

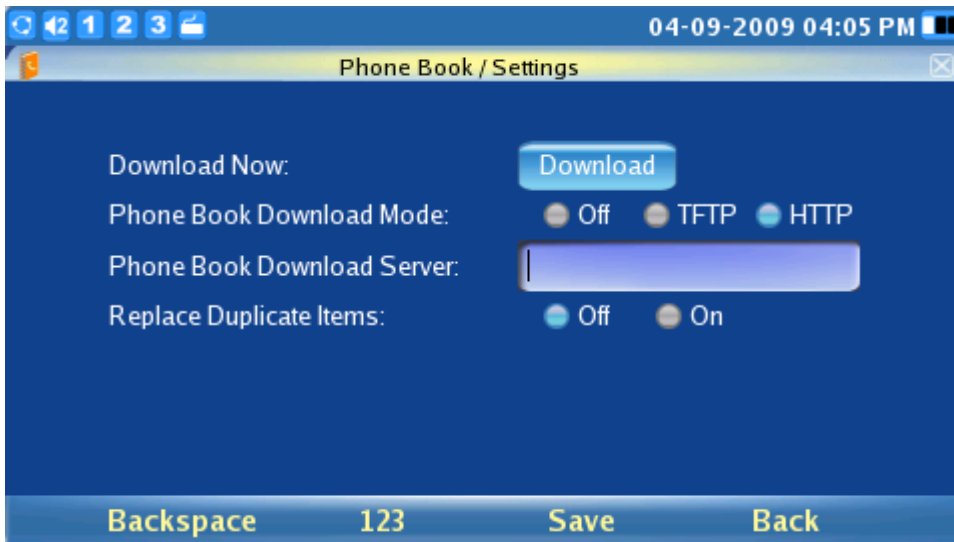
Please follow the XML Syntax and the Example Phonebook in the next section to compile the phonebook XML file. Also, note that the phonebook file name is fixed to phonebook.xml, so you cannot alter the phonebook file name based on your preference. After compiling your phonebook XML file, place the file under the web server root directory and start the web server.

Users can download the phonebook from the TFTP/HTTP server through the phone interface by selecting MENU->Phone Book->Options->Download on the phone. (See the figure below)



Make sure to specify the "Phonebook Download Mode" and the "Phonebook Download Server path". When the XML file is downloaded, the phone will parse and extract the entries from it. If the "Replace Duplicate Items" is set to "Off", the device will not replace duplicated items in the phonebook.

After the necessary configuration settings are set, navigate to the "Download" button next to "Download Now" and press the round OK button on the phone. (See figure below)



The GXV3140 will start downloading the XML Phonebook and display the download status message on the phone's LCD screen. If the download is successful, the message "Download successful!" will be displayed. This means that all of the phonebook entries in the XML file are now stored in the GXV3140 phonebook. If the user encounters some error messages, please check the correctness of syntax and the filename for the XML file.

3) XML Syntax

```
<?xml version="1.0" encoding="utf-8" ?>

<xsd:schema xmlns:xsd="http://www.w3.org/2001/XMLSchema">
  <xsd:element name="AddressBook">
    <xsd:complexType>
      <xsd:sequence>
        <xsd:element name="version" type="xsd:integer" />
        <xsd:element minOccurs="0" maxOccurs="unbounded" ref="Contact" />
      </xsd:sequence>
    </xsd:complexType>
  </xsd:element>
  <xsd:element name="Contact">
    <xsd:complexType>
      <xsd:sequence>
        <xsd:element name="FirstName" type="xsd:string" />
        <xsd:element name="LastName" type="xsd:string" />
        <xsd:element minOccurs="0" maxOccurs="4" ref="Phone" />
        <xsd:element name="Group" type="GroupIndex" />
        <xsd:element name="PhotoUrl" type="xsd:string" />
      </xsd:sequence>
    </xsd:complexType>
  </xsd:element>
  <xsd:element name="Phone">
    <xsd:complexType>
```

```

        <xsd:sequence>
        <xsd:element name="phonenumber" type="xsd:string" />
        <xsd:element name="accountindex" type="AccountIndex" />
        </xsd:sequence>
    </xsd:complexType>
</xsd:element>
<xsd:simpleType name="AccountIndex">
    <xsd:restriction base="xsd:integer">
        <xsd:minInclusive value="0" />
        <xsd:maxInclusive value="2" />
    </xsd:restriction>
</xsd:simpleType>
<xsd:simpleType name="GroupIndex">
    <xsd:restriction base="xsd:integer">
        <xsd:minInclusive value="0" />
        <xsd:maxInclusive value="3" />
    </xsd:restriction>
</xsd:simpleType>
</xsd:schema>

```

4) Example Phonebook File

```

<?xml version="1.0"?>
<AddressBook>
<version>1</version>

<Contact>
    <FirstName>John</FirstName>
    <LastName>Doe</LastName>
    <Phone>
        <phonenumber>8765432</phonenumber>
        <accountindex>0</accountindex>
    </Phone>
    <Group>0</Group>
    <PhotoUrl></PhotoUrl>
</Contact>

<Contact>
    <FirstName>Lily</FirstName>
    <LastName>Lee</LastName>
    <Phone>
        <phonenumber>8100000</phonenumber>
        <accountindex>0</accountindex>
    </Phone>
    <Phone>
        <phonenumber>123</phonenumber>
        <accountindex>1</accountindex>
    </Phone>
    <Group>0</Group>
    <PhotoUrl></PhotoUrl>
</Contact>

```

```
<Contact>  
  <FirstName>Alan</FirstName>  
  <LastName>Smith</LastName>  
  <Phone>  
    <phonenumber>8100001</phonenumber>  
    <accountindex>0</accountindex>  
  </Phone>  
  <Group>0</Group>  
  <PhotoUrl></PhotoUrl>  
</Contact>  
  
</AddressBook>
```