

Hanlong XML Application Guide

The Unicorn Series supports a downloadable phonebook with up to 100 entries. This application can also be used in large organizations where there is a central directory server so employees can efficiently download the most current directories.

The following Phonebook API configuration will work with all Unicorn Series models.

PHONEBOOK API CONFIGURATION

The XML Custom Screen API is configurable in 4 steps:

1. **Enable Downloadable Phonebook (P330):** NO/YES-HTTP/YES-TFTP (default NO). Possible values 0 (NO)/1 (HTTP)/2 (TFTP), other values ignored.
2. **Phonebook XML Path (P331):** This is a string of up to *128 characters* that contains a path to the XML file. It must follow the host/path format. **i.e.** "directory.hanlongtech.com/engineering"
3. **Phonebook Download Interval (P332):** This field sets the time interval to download the phonebook (in hours) automatically. Valid value range is 0-720 (default 0).
4. **Remove manually remove edited entries on download:** YES/NO (default NO) P333, possible values 0/1, other values ignored.

The XML phonebook feature is activated when "*Enable Downloadable Phonebook*" is set to **YES** (HTTP or TFTP) and a valid "*Phonebook XML Path*" is set.

The phone will download the *phonebook.xml* file specified in "*Phonebook XML Path*". The XML application is effective immediately after download. Save the file for future use. During this process the LCD will display a message to indicate the XML Phonebook download is in progress.

NOTE:

- The phonebook file name is fixed and cannot be changed based on personal preference.
- If the "*Phonebook Download Interval*" is set to a non-zero value *x*, the phonebook is automatically updated every *x* hours.
- If the "*Remove manually edited entries on download*" option is set to **No** (by default), the phone will keep ALL previously stored phonebook entries, insert the downloaded phonebook entries, and then save the phonebook. If set to **Yes**, the downloaded phonebook entries will replace the existing phonebook stored on the phone.

- At any time, you can immediately download the phonebook by choosing the “**Download Phonebook**” in the GUI Phone Book Menu (you can use the down arrow key when the phone is on- hook).

2. Example XML Phonebook File

```
<?xml version="1.0"?>
<AddressBook>
  <Contact>
    <LastName>Doe</LastName>
    <FirstName>John</FirstName>
    <Phone>
      <phonenumber>8000</phonenumber>
      <accountindex>0</accountindex>
    </Phone>
  </Contact>
  <Contact>
    <LastName>Smith</LastName>
    <FirstName>Alan</FirstName>
    <Phone>
      <phonenumber>8001</phonenumber>
      <accountindex>0</accountindex>
    </Phone>
  </Contact>
  <Contact>
    <LastName>Lee</LastName>
    <FirstName>Lily</FirstName>
    <Phone>
      <phonenumber>6000</phonenumber>
      <accountindex>1</accountindex>
    </Phone>
  </Contact>
</AddressBook>
```
