

Function Key Index Ranges

These are the function key index (fkey idx) ranges on 3xx phones with USB ports for all Snom expansion modules:

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- Keys on phone
 - Line keys: 0 - 4
- Serial expansion modules (SXM)
 - Module 1: 5 - 46
 - Module 2: 47 - 88
 - Module 3: 89 - 130
- USB expansion modules (UXM)
 - Module 1: 131 - 148
 - Module 2: 149 - 166
 - Module 3: 167 - 184
- Vision*
 - Page 1: 185 - 200
 - Page 2: 201 - 216
 - Page 3: 217 - 232

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- Self-labeling keys on phone
 - Page 1: 0 - 11
 - Page 2: 12 - 23
 - Page 2: 24 - 35
 - Page 4: 36 - 47
- Serial expansion modules (SXM)
 - Module 1: 48 - 89
 - Module 2: 90 - 131
 - Module 3: 132 - 173
- USB expansion modules (UXM)
 - Module 1: 174 - 191
 - Module 2: 192 - 209
 - Module 3: 210 - 227
- Vision*
 - Page 1: 228 - 243
 - Page 2: 244 - 259
 - Page 3: 260 - 275

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- Keys on phone
 - Line keys: 0 - 11
- Serial expansion modules (SXM)
 - Module 1: 12 - 53
 - Module 2: 54 - 95
 - Module 3: 96 - 137
- USB expansion modules (UXM)
 - Module 1: 138 - 155
 - Module 2: 156 - 173
 - Module 3: 174 - 191
- Vision*
 - Page 1: 192 - 207
 - Page 2: 208 - 223
 - Page 3: 224 - 239

* Each Vision expansion module has its own web interface with a function key page and a settings page. Unlike the other expansion modules, the function key settings are not stored on the phone but on the Vision itself and can be used by other phones it is paired with. The settings of the Vision function keys will be removed from the phone's settings when the Vision is unpaired.

XML Provisioning of Function Key Settings

The XML tags of the function keys are an exception from the general rules for XML mass provisioning of settings for Snom phones because the tag for each key specifies the exact settings for that particular key. The format is as follows:

```
<fkey idx="n" context="identity" label="name" perm="">argument</fkey>
```

- Parameter **fkey idx**. The unique identifier of the function key when connected to a particular phone model.
 - NOTE:** The **fkey idx** of a particular key depends on the number of function keys on the phone, the number of expansion modules connected to the phone, and the position of the module in the daisy chain.
- Parameter **context**. This setting specifies the identity (account) that can use the key.
 - All active identities (accounts) registered on the phone: Setting „active“
 - One identity specified by its number. Example: Setting „1“ for Identity 1
- Parameter **label**. The label (name, etc.) to be shown on the expansion module's display
- Parameter **perm**. Valid values are:
 - perm="!": The settings of the key can be changed by mass provisioning, but only if the end user has not made changes to the configuration on the phone itself or on its web interface.

- perm="&", perm="R", perm=" „: The settings of the key are Read Only and cannot be changed by the end user.
- perm="\$", perm="RW", perm="": The settings of the key can be changed by the end user but will be overwritten by mass provisioning.

- **Argument.**

- The default is line. Example:
`<fkey idx="19" context="active" label="line" perm="">line</fkey>`.
- Examples for other functions:

NOTE: The functions must be supported by your installation/PBX.

- Extension: `<fkey idx="19" context="1" label="Mary" perm="">dest sip:123@example.com;user=phone</fkey>`
- Speed dial:
`<fkey idx="20" context="1" label="Mary/cell" perm="">speed 9175550240</fkey>`
- Multicast: `<fkey idx="21" context="1" label="Announcements 2nd floor" perm="">multicast 239.255.255.232:5555</fkey>`
- Intercom: `<fkey idx="22" context="1" label="Intercom Mary" perm="">icom sip:123@example.com;user=phone</fkey>`
- Forwarding all incoming calls: `<fkey idx="23" context="1" label="Fwd all to Mary" perm="">redirect sip:123@example.com;user=phone</fkey>`
- Transferring call: `<fkey idx="24" context="1" label="Transfer" perm="">transfer</fkey>`