This document describes how to install the Key-based Expansion Module Accessory (KBA), for the M3900 Series Meridian Digital Telephones (NTMN37BA). The Key-based Expansion Module provides 22 additional Keys for the M3904 and the M3905 telephones. You can add a second Key-based Expansion Module, for a total of 44 additional Line/Feature Keys. In addition to the KBA, you will need to order the Key-based Expansion Module Kit 1 (NTMN38AA) which includes the Single KBA Footstand Assembly. If you are adding a second KBA, you will also need to order the Key-based Expansion Module Kit 2 (NTMN38BA) which includes the Expansion KBA Footstand Assembly.

Install the Key-based Expansion Module Accessory (KBA)

1. While depressing the telephone tilt handle, pull the telephone away from the footstand until it clears the final stop. Gently pull the footstand off the clips.
   
   *Note:* If an ACM is installed, unplug the ACM and remove it from the footstand. Install the ACM in the Single KBA Footstand Assembly. See the document “Accessory Connection Module Installation Guide” for detailed instructions.

2. Place the telephone and the Module face down on a non-abrasive surface, and align them.
3. Plug the cable from the Module into the 10-pin connection port on the telephone.
4. Thread the cable through the opening in the side of the telephone.
5. Install the Single KBA Footstand Assembly (see “Install the Single KBA Footstand Assembly” below).

Add a second Key-based Expansion Module Accessory

1. Place the telephone and the two Modules face down on a non-abrasive surface.
2. Plug the cable from the second Module into the 10-pin connection port on the first Module.
3. Thread the cable through the routing clips on both Modules, as shown above.
4. Install the Expansion KBA Footstand (see “Install the Expansion KBA Footstand Assembly” on page 2).

Install the Single KBA Footstand Assembly

1. Insert the clips on both the telephone and the Key-based Expansion Module into the hinges on the footstand assembly and press on the front of the footstand until they snap into place.
2. While squeezing both the telephone and the Key-based Expansion Module tilt handles, swing the footstand into the desired position.
3. Turn the completed assembly upright.
Install the Expansion KBA Footstand Assembly

1. Place the Single KBA Footstand Assembly and the Expansion KBA Footstand Assembly face down on a flat surface.
2. Align the Expansion KBA Footstand Assembly with the Single KBA Footstand Assembly and slide them together.
3. Insert two screws through the Expansion KBA Plate into the Single KBA Footstand Assembly (see illustration below).
4. Tighten all four screws, ensuring that the two footstand assemblies are properly aligned.
5. Insert the clips on the telephone and the Key-based Expansion Modules into the hinges on the combined Single/Expansion KBA Footstand Assembly, and while squeezing the Module Tilt Handles, swing the footstand into the desired position.
6. Turn the completed assembly upright.

Configure the Meridian 1 for the Key-based Expansion Module Accessory in LD 11

<table>
<thead>
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<th>Prompt</th>
<th>Response</th>
<th>Description</th>
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<tbody>
<tr>
<td>...</td>
<td>KBA</td>
<td>{0} - 2</td>
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<td>...</td>
<td></td>
<td>Number of KBAs (0) = default.</td>
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Note 1: KBA appears when the telephone type is M3904 or M3905.
Note 2: Each Key-based Expansion Module provides 22 additional Line/Feature Keys. These additional keys are configured in LD 11. Key numbers associated with the first Key-based Expansion Module are 32 through 53. Key numbers for the second Key-based Expansion Module are 54 through 75.

Configure the MSL-100 for the Key-based Expansion Module Accessory in Servord

<table>
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<tr>
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<tr>
<td>ADO</td>
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<tr>
<td>DN_OR_LEN</td>
<td>x...x</td>
<td>x...x = Enter either a DN or a LEN.</td>
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<td>Option Key.</td>
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<td>OPTION</td>
<td>KBA</td>
<td>Key-based Expansion Module Accessory.</td>
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<tr>
<td>KBA_COUNT</td>
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<td>Number of KBAs.</td>
</tr>
</tbody>
</table>

Note: Each Key-based Expansion Module provides 22 additional Line/Feature Keys. These additional keys are configured in Servord. Key numbers associated with the first Key-based Expansion Module are 33 through 54. Key numbers for the second Key-based Expansion Module are 55 through 76.