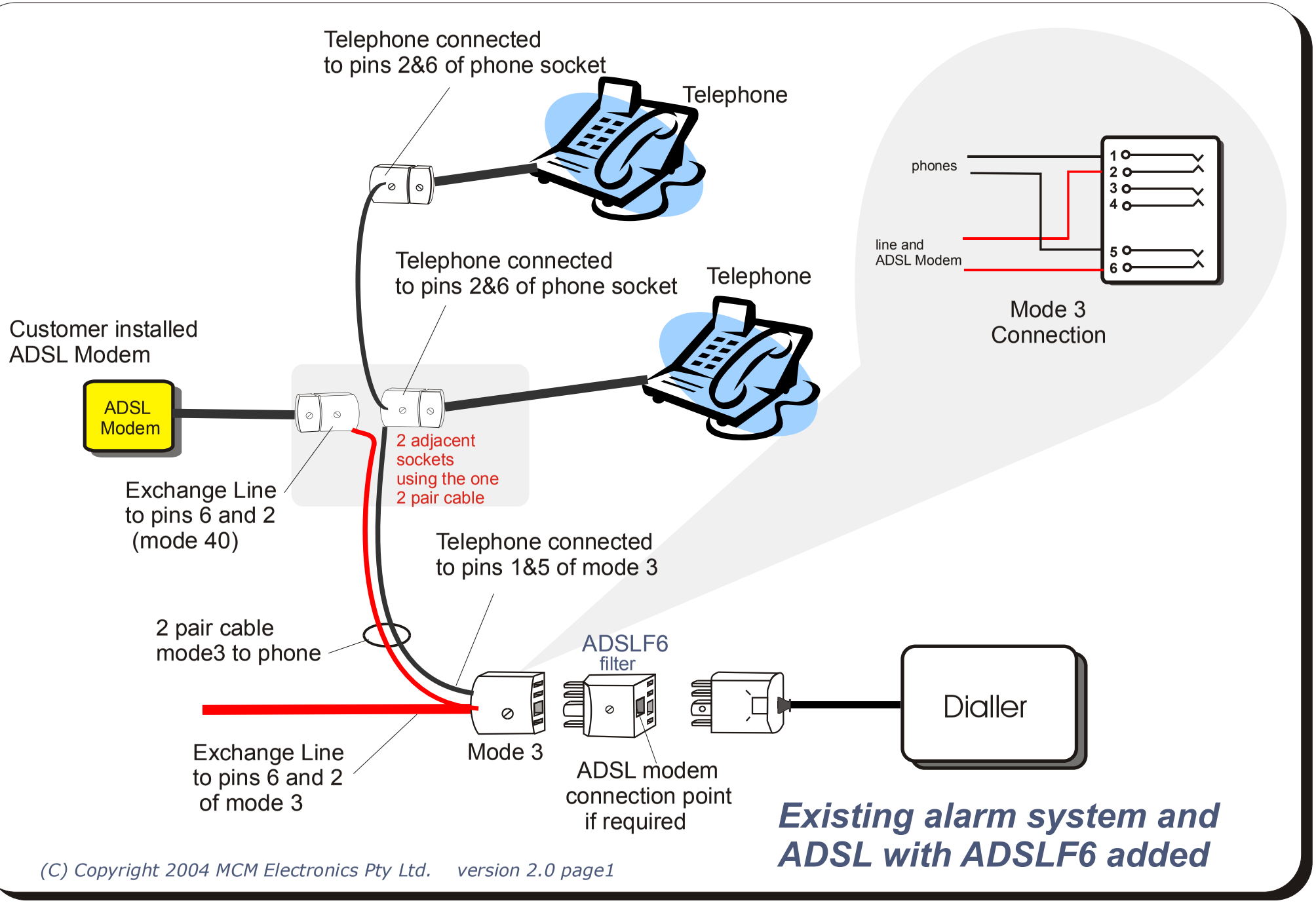
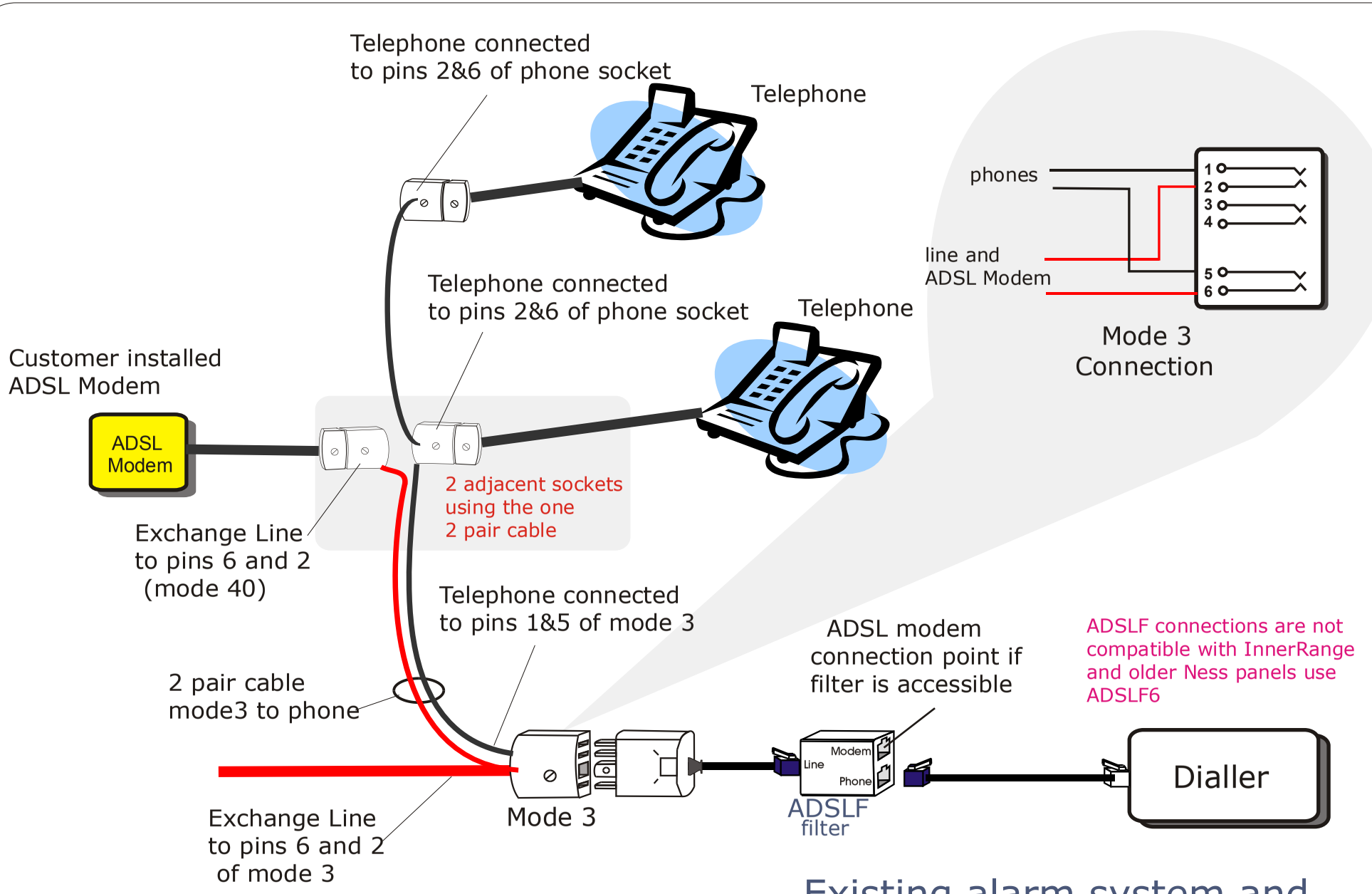
ADSL Filter Installation Guide

Version 2.0 1st June 2004



Existing alarm system and ADSL with ADSLF6 added



Existing alarm system and ADSL with ADSLF added

 version 2.0

Before you add an ADSL Filter...

and an ADSL modem is already fitted

When an ADSL modem is already fitted to a PSTN line and you need to add a filter for the panel, before adding a filter to the alarm system, first check how the modem, panel and phone wired?... mode3 you think?

Try this sequence to verify the connections.....

step 1. To check which phones will be filtered by the addition of an ADSLF or ADSLF6. Unplug the small RJ11 plug from the alarm panel.

step 2. All the phones using that phone line should now NOT have dial tone. The phones that no longer have dial tone are wired via the Mode3 and will be filtered properly when the ADSLF or ADSLF6 is added.
Any phone that uses this line but (with the RJ11 out) still has dial tone will not be filtered as it is not wired via the Mode3 socket. These phones need to be either wired via the Mode3 or have a separate INLINE micro filter to filter the ADSL noise from the phone (ADSLF and ADSLF6 can be used)

A phone (or panel) that is unfiltered may cause intermittent communications errors for the modem as well as noise on the phone line which may cause the panel not to function or report correctly..

step 3. Is the ADSL modem still working?
YES ... good, the modem is wired properly to the incoming line before the mode3.....**go to step 6**

NO... It is wired to a phone after the mode3.
The modem needs to be rewired otherwise when a filter is plugged into the panel the modem will also be filtered and this will cause the modem to stop functioning.
The modem must be connected in parallel with the incoming line.

step 4. Since we now have identified the modem as being incorrectly wired, you have two options.
a) Run a separate cable to the modem from the mode3 (pins 6&2) to the Modem (pins 6&2)
or
b) if you are lucky, there is usually a spare pair in the cable between the mode3 and the phone as shown on the diagram.
Connect this spare pair to pins 6&2 of the mode3 and pins6&2 of a new socket mounted near the modem. This is a mode40 connection.
This socket is unfiltered and is only for the modem

step 5. After rewiring, the ADSL modem should be connected to the incoming line (6&2 of the mode3).

step 6. Plug the RJ11 back into the panel, plug in the filter (ADSLF or ADSLF6) between the mode3 and the panel.

step 7. Recheck all phones on this line. All these phones should be operational

step 8 Check the ADSL modem is still functioning correctly.

step 9 Check the dialler reports back to base and make sure all events get through without retry or error.

Before you add an ADSL Filter...

and an ADSL modem is NOT fitted

Before adding a filter to the alarm system, first check how the panel and phone wired?... mode3 you think?

Try this sequence to verify the connections.....

step 1. To check which phones will be filtered by the addition of an ADSLF or ADSLF6, unplug the small RJ11 plug from the alarm panel.

step 2. All the phones using that phone line should now **NOT** have dial tone. The phones that no longer have dial tone are wired via the Mode3 and will be filtered properly when the ADSLF or ADSLF6 is added.

Any phone that uses this line but (with the RJ11 out) still has dial tone will not be filtered as it is not wired via the Mode3 socket. These phones need to be either wired via the Mode3 or have a separate INLINE micro filter installed prior to an ADSL modem being installed to filter the ADSL noise from the phone. An ADSLF and ADSLF6 can be used in these phones.

When ADSL is installed, a phone (or panel) that is unfiltered may cause intermittent communications errors for the modem as well as noise on the phone line which will most likely cause the panel not to report or function correctly..

step 3. Plug the RJ11 back into the panel, plug in the filter (ADSLF or ADSLF6) between the mode3 and the panel.

step 4. Recheck all phones on this line. All these phones should be operational

step 5 Check the dialler reports back to base and make sure all events get through without retry or error.