Application Note

Ricoh 2100Li with Nera WorldCommunicator and F77

This document describes the programming of the Ricoh Fax 2100Li for use with the Nera WorldCommunicator and Nera F77.

| Ricoh Fax 2100Li | Nera WorldCommunicator | Nera F77 |

The Ricoh Fax 2100Li is a Group 4 ISDN fax, 64 kbps, which can also send and receive Group 3 faxes. The 2100Li has four different MSN numbers, two for G4 and two for G3. This makes very suitable for use with the Nera equipment. The Group 3 supports speeds of up to 33.6 kbps (Super G3).

Hardware set-up

Follow the hardware set-up instructions in the Ricoh user's manual. Connect the ISDN cable to the RJ45 port on the Nera equipment.

Set-up of ISDN interface

The NWC is delivered from the factory with MSN 60 as the 64 UDI service. This is used for the Group 4 fax. MSN 40 is default for 3.1 kHz service that is used for the Group 3 fax.
If you want to use other MSN numbers, please refer to the Nera user's manuals.

On the fax do the following:

Push [Users Tools] [►][►][►]

The display will show:

```
User Tool Main Menu
4. Key Op. Tools              ◄►
```

Push [OK] and key in the access code [2] [2] [2] [2] [OK].

Use [►] 12 times until the display shows:

```
Key Op Tools
13. ISDN G3/G4                ◄►
```

Push [OK] and [►]. The display will show:

```
ISDN G3/G4
2. G4 Own number 1        ◄►
```

Push [OK], enter the G4 (UDI) MSN number, e.g. 60.

```
G4 Own number 1
6 0▨▨▨▨▨▨▨▨▨▨▨▨▨▨
```

Push [OK].
Push [►][►][►][►] until the display shows:

```
ISDN G3/G4
6. I-G3 Own number 1       ◄►
```

Push [OK], enter the G3(3.1kHz Audio) MSN number, e.g. 40.

```
I-G3 Own number 1
4 0▨▨▨▨▨▨▨▨▨▨▨▨▨▨
```

Push [OK].

Push [Users Tools]

The fax is now programmed for use with the Nera system. The system will have two different fax number, one for Group 4 and one for Group 3.

When sending a fax you must first choose if you want to send a Group 4 or Group 3 fax. When sending a Group 4 fax you must be sure that the fixed side is also a Group 4 fax.

For further programming of the Ricoh fax, please refer to the User's Manual.