NiCOM

NT 500 PROGRAMMING

Connect a 50 ohm load or 50 ohm antenna to the RF output, connect the equipment into a mains supply (120 or 240 VAC). The equipment is factory pre-set to 50 W.

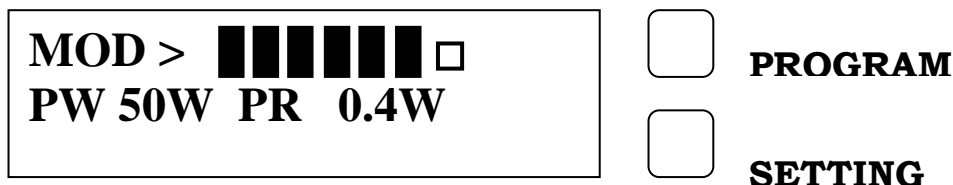*Switch ON the power and the yellow V POWER LED will light.*

The Display will show:

```
┌─────────────────────────┐      ┌──┐
│                         │      │  │   PROGRAM
│         WAIT            │      └──┘
│                         │      ┌──┐
│  ■■■■■                  │      │  │
└─────────────────────────┘      └──┘   SETTING
```

After 3 seconds the green PLL LOCK led will light and the Display will show an increasing bar. After a further 5 seconds the green ENABLE will light and there will be output power.

At this point the Display will show the next parameter:

- *Level Modulation (MOD >*
- *Forward Power (FRW 50.0W);*   ■■■■■■□■■■
- *Reflected Power (RFL 0.4W).*

```
┌─────────────────────────┐      ┌──┐
│ MOD > ■■■■■■□           │      │  │   PROGRAM
│ PW 50W  PR  0.4W        │      └──┘
│                         │      ┌──┐
│                         │      │  │
└─────────────────────────┘      └──┘   SETTING
```

The default frequency is 98.000 MHz.
To display the frequency push the SETTING key.
In order to display the parameter push the SELECT key.

Display Password

The Password mode is factory set to enable, and is not possible change this setting.

*The default password is **1 2 3**.*

The way for changing the password is the following:

- *Press the PROGRAM key for 3 seconds;*

```
┌─────────────────────────────┐   ┌────┐
│                             │   │    │   PROGRAM
│  PASSWORD                   │   └────┘
│                             │   ┌────┐
│  0 1 2 3 4 5 6 7 8 9        │   │    │
│                             │   └────┘   SETTING
└─────────────────────────────┘
```

- *Press the PROGRAM key to move the underscore character position at the required digit, and press the SETTING key to confirm the digit.*

```
┌─────────────────────────────┐   ┌────┐
│                      *      │   │    │   PROGRAM
│  PASSWORD                   │   └────┘
│                             │   ┌────┐
│  0 1 2 3 4 5 6 7 8 9        │   │    │
│                             │   └────┘   SETTING
└─────────────────────────────┘
```

Repeat the same for the two remaining digits.

```
┌─────────────────────────────┐   ┌────┐
│                  * * *      │   │    │   PROGRAM
│  PASSWORD                   │   └────┘
│                             │   ┌────┐
│  0 1 2 3 4 5 6 7 8 9        │   │    │
│                             │   └────┘   SETTING
└─────────────────────────────┘
```

- *If the password is correct press the SETTING key to confirm, otherwise press the PROGRAM key to select again.*

```
┌─────────────────────────────┐   ┌────┐
│                             │   │    │   PROGRAM
│  CONFIRM (Y/N) ?            │   └────┘
│    N=SEL.    Y=SET.         │   ┌────┐
│                             │   │    │
│                             │   └────┘   SETTING
└─────────────────────────────┘
```

If the password is not correct an error is displayed:

```
┌─────────────────────────────┐   ┌────┐
│                             │   │    │   PROGRAM
│  ERROR                      │   └────┘
│                             │   ┌────┐
│  PASSWORD                   │   │    │
│                             │   └────┘   SETTING
└─────────────────────────────┘
```

After a few seconds the display will show the parameters again.

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When the password is correct, the display will show:

```
┌─────────────────────────────┐
│                             │   ┌───┐
│   NEW PASS . = SET.         │   │   │   PROGRAM
│                             │   └───┘
│   NEW FREQ . = PRG .        │   ┌───┐
│                             │   │   │   SETTING
└─────────────────────────────┘   └───┘
```

To change the password press the SETTING key.
To change the frequency press the PROGRAM key.

- *For changing the password proceed with the same method for the required password:*

```
┌─────────────────────────────┐
│                             │   ┌───┐
│   NEW PASSWORD              │   │   │   PROGRAM
│                             │   └───┘
│   0 1 2 3 4 5 6 7 8 9       │   ┌───┐
│                             │   │   │   SETTING
└─────────────────────────────┘   └───┘
```

The confirmation password will be required.

```
┌─────────────────────────────┐
│                             │   ┌───┐
│   CONFIRMATION             │   │   │   PROGRAM
│                             │   └───┘
│   0 1 2 3 4 5 6 7 8 9       │   ┌───┐
│                             │   │   │   SETTING
└─────────────────────────────┘   └───┘
```

If the password is correct the display will show:

```
┌─────────────────────────────┐
│                             │   ┌───┐
│   STORED                    │   │   │   PROGRAM
│                             │   └───┘
│   NEW PASSWORD             │   ┌───┐
│                             │   │   │   SETTING
└─────────────────────────────┘   └───┘
```

If the confirmation password is wrong the display will show:

```
┌─────────────────────────────┐
│                             │   ┌───┐
│   ERROR                     │   │   │   PROGRAM
│                             │   └───┘
│   CONFIRMATION             │   ┌───┐
│                             │   │   │   SETTING
└─────────────────────────────┘   └───┘
```

**IMPORTANT NOTE**

! BE CAREFUL !

**Once the password is set, it must be remembered, otherwise neither the frequency nor the password can be reset and the unit will have to be returned to Nicom for resetting.**

**Display Change of Frequency.**

- _Press the PROGRAM key for 3 seconds and enter the correct password. At this point press again the SELECT key:_

NEW PASS . = SET. **_NEW FREQ . = PRG ._**	☐ **PROGRAM** ☐ **SETTING**

- _Press the PROGRAM key to change the desired digit and press the SETTING key to confirm it._

FREQUENCY ? **_MHz 103.900_**	☐ **PROGRAM** ☐ **SETTING**

The underscore character indicates which digit can be change.
To move the underscore character hit the PROGRAM key.

When the new frequency is chosen, then press the SETTING key confirm it.

After a "WAIT CYCLE", the display will show the parameters:

MOD > ▮▮▮▮▮☐ **PW 1000W PR 0.4W**	☐ **PROGRAM** ☐ **SETTING**

After 7 minutes the display light will switch off and the display will show:

NICOM **_MHz 103.900_**	☐ **PROGRAM** ☐ **SETTING**