

## Configuring the Cisco 1720 Via the Console

To configure a Cisco 1720, you must connect a console cable to the Console port of the router. A console cable and RJ45-RS232 adapter is provided.

Connect the console cable to the console port of the 1720 and to a PC (or Mac with proper cables) with VT100 emulation software. 9600, 8, none 1. This is required if the router has not been preconfigured. If the router has been preconfigured by us, you will be able to telnet to the LAN interface of the router.

Once you have gained access to the router you must enter enable mode by typing 'en':

```
Router>en
```

The router will prompt you for a password. Enter the password and the prompt will change from the ending with a '>' to ending with a '#'. At this point you type 'configure':

```
Router#configure <Return>  
Configuring from terminal, memory, or network [terminal]? <Return>  
Enter configuration commands, one per line. End with CNTL/Z.
```

Input the configuration from the appropriate template (see below) and press Control-Z when you are finished.

The **Cisco 1720** comes with the following:

Cables:

RJ45 Rolled Console Cable (included is RJ45 to DB25 adapter)

Ports:

One serial console port (RJ-45)

One 10/100 Ethernet port

Two WIC interface ports

(This router is certified for our LAN-ISDN service)

## Configuring the Cisco 1720 for LAN-on-Demand

### Lan ISDN using Proprietary Scheme

```
interface BRI0
description [UNIQUE ARBITRARY LOGICAL NAME]
ip unnumbered FastEthernet0
no ip directed-broadcast
encapsulation ppp
dialer idle-timeout [IDLE TIME IN SECONDS]
dialer wait-for-carrier-time 10
dialer map ip 38.1.1.1 name [PAP LOGIN] [DIAL NUMBER]
dialer load-threshold [UTILIZATION THRESHOLD] either
dialer-group 1
isdn switch-type [SWITCH TYPE]
isdn spid1 [SPID1] [DN1]
isdn spid2 [SPID2] [DN2]
ppp pap sent-username [PAP LOGIN] password [PAP PASSWORD]
ppp multilink
!
interface FastEthernet0
ip address [ETHERNET IP ADDRESS] [SUBNET MASK]
ip broadcast-address [ETHERNET BROADCAST ADDRESS]
no ip directed-broadcast
!
ip classless
ip route 0.0.0.0 0.0.0.0 38.1.1.1
ip route 38.1.1.1 255.255.255.255 BRI0
!
access-list 101 permit ip any any
dialer-list 1 protocol ip list 101
```

## Configuring the Cisco 1720 for LAN-on-Demand

### LAN-ISDN using BACP

```
interface BRI0
description [UNIQUE ARBITRARY LOGICAL NAME]
ip unnumbered FastEthernet0
no ip directed-broadcast
encapsulation ppp
dialer idle-timeout [IDLE TIME IN SECONDS]
dialer map ip 38.1.1.1 name [PAP LOGIN] [DIAL NUMBER]
dialer load-threshold [UTILIZATION THRESHOLD] either
dialer-group 1
isdn switch-type [SWITCH TYPE]
isdn spid1 [SPID1] [DN1]
isdn spid2 [SPID2] [DN2]
ppp pap sent-username [PAP LOGIN] password [PAP PASSWORD]
ppp multilink bap
ppp bap call request
ppp bap timeout pending 20
!
interface FastEthernet0
ip address [ETHERNET IP ADDRESS] [SUBNET MASK]
ip broadcast-address [ETHERNET BROADCAST ADDRESS]
no ip directed-broadcast
!
ip classless
ip route 0.0.0.0 0.0.0.0 38.1.1.1
ip route 38.1.1.1 255.255.255.255 BRI0
!
access-list 101 permit ip any any
dialer-list 1 protocol ip list 101
```