

## 5.9.5. Download Commands

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### 5.9.5.1. bootp - boot image via network using BOOTP/TFTP protocol

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```
=> help bootp

bootp - boot image via network using BOOTP/TFTP protocol

Usage:

bootp [loadAddress] [[hostIPAddr:]bootfilename]

=>
```

### 5.9.5.2. dhcp - invoke DHCP client to obtain IP/boot params

---

```
=> help dhcp

dhcp - boot image via network using DHCP/TFTP protocol

Usage:

dhcp [loadAddress] [[hostIPAddr:]bootfilename]

=>
```

### 5.9.5.3. loadb - load binary file over serial line (kermit mode)

---

```
=> help loadb

loadb - load binary file over serial line (kermit mode)

Usage:

loadb [ off ] [ baud ]

    - load binary file over serial line with offset 'off' and baudrate 'baud'

=>
```

With `kermit` you can download binary data via the serial line. Here we show how to download *uImage*, the Linux kernel image. Please make sure, that you have set `upkermit` as described in section [4.3. Configuring the "kermit" command](#) and then type:

```
=> loadb 100000

## Ready for binary (kermit) download ...

Ctrl-\c

(Back at denx.denx.de)

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C-Kermit 7.0.197, 8 Feb 2000, for Linux

Copyright (C) 1985, 2000,
```

```

Trustees of Columbia University in the City of New York.

Type ? or HELP for help.

Kermit> send /bin /tftpboot/pImage

...

Kermit> connect

Connecting to /dev/ttyS0, speed 115200.

The escape character is Ctrl-\ (ASCII 28, FS)

Type the escape character followed by C to get back,

or followed by ? to see other options.

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= 550260 Bytes

## Start Addr      = 0x00100000

=> iminfo 100000

## Checking Image at 00100000 ...

Image Name:   Linux-2.4.4

Created:      2002-07-02  22:10:11 UTC

Image Type:   PowerPC Linux Kernel Image (gzip compressed)

Data Size:    550196 Bytes = 537 kB = 0 MB

Load Address: 00000000

Entry Point:  00000000

Verifying Checksum ... OK

```

#### **5.9.5.4. loads - load S-Record file over serial line**

```

=> help loads

loads - load S-Record file over serial line

Usage:

loads [ off ] [ baud ]

    - load S-Record file over serial line with offset 'off' and baudrate 'baud'

=>

```

#### **5.9.5.5. rarpboot- boot image via network using RARP/TFTP protocol**

```

=> help rarp

rarpboot - boot image via network using RARP/TFTP protocol

Usage:

```

```
rarboot [loadAddress] [[hostIPAddr:]bootfilename]  
=>
```

#### **5.9.5.6. tftpboot- boot image via network using TFTP protocol**

---

```
=> help tftp  
  
tftpboot - boot image via network using TFTP protocol  
  
Usage:  
  
tftpboot [loadAddress] [[hostIPAddr:]bootfilename]  
=>
```