

# Digital TV demux open()

**System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\linux-master\Documentation\userspace-api\media\dvb\linux-master) (Documentation) (userspace-api) (media) (dvb) dmxfopen.rst, line 2)**

Unknown directive type "c.namespace".

```
.. c:namespace:: DTV.dmx
```

## Name

Digital TV demux open()

## Synopsis

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```
.. c:function:: int open(const char *deviceName, int flags)
```

## Arguments

name

Name of specific Digital TV demux device.

flags

A bit-wise OR of the following flags:

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```
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   -
     - ``O_RDONLY``
     - read-only access

   -
     - ``O_RDWR``
     - read/write access

   -
     - ``O_NONBLOCK``
     - open in non-blocking mode
       (blocking mode is the default)
```

## Description

This system call, used with a device name of `/dev/dvb/adapter?/demux?`, allocates a new filter and returns a handle which can be used for subsequent control of that filter. This call has to be made for each filter to be used, i.e. every returned file descriptor is a reference to a single filter. `/dev/dvb/adapter?/dvr?` is a logical device to be used for retrieving Transport Streams for digital video recording. When reading from this device a transport stream containing the packets from all PES filters set in the corresponding demux device (`/dev/dvb/adapter?/demux?`) having the output set to `DMX_OUT_TS_TAP`. A recorded Transport Stream is replayed by writing to this device.

The significance of blocking or non-blocking mode is described in the documentation for functions where there is a difference. It does not affect the semantics of the `open()` call itself. A device opened in blocking mode can later be put into non-blocking mode (and vice versa) using the `F_SETFL` command of the `fcntl` system call.

## Return Value

On success 0 is returned.

On error -1 is returned, and the `errno` variable is set appropriately.

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   - - ``EMFILE``
     - "Too many open files", i.e. no more filters available.
```

The generic error codes are described at the [ref: Generic Error Codes <gen-errors>](#) chapter.

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