

Atari USB Enduser Driver Disk#

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A collection of USB Drivers for Users

What is on the disk:#

Filename	Comment	
DOS.SYS	Atari Dos 2.5 FMS	
DUP.SYS	Atari Dos 2.5 DUP	
BIBOASS.COM	Bibo Assembler	
USBKEY.SRC	USB Simple Keyboard Driver Source	
USBKEY.COM	USB Simple Keyboard Driver	
USBWHEEL.SRC	USB Wheel Driver (Thrustmaster) Source	
USBWHEEL.COM	USB Wheel Driver (Thrustmaster)	
USBTEST.COM	USB Human Interface Devices (HID) Test Program	
USBJOYPD.SRC	USB digital Joypad Driver Source	
USBJOYPD.COM	USB digital Joypad Driver	
USBJOYST.SRC	USB analog Joystick Driver Source	
USBJOYST.COM	USB analog Joystick Driver	
BOULDER.COM	Boulder Dash 1 for USB digital Joypad	

Standard Device Descriptor (Output of USBTEST.COM)#

For more detailed information on USB Device Descriptors please use the USB 1.1 Specification Documents at www.usb.org.

Offset	Field	Size	Value	Description
0	bLength	1	Number	Size of this descriptor in bytes
1	bDescriptorType	1	Constant	DEVICE Descriptor Type
2	bcdUSB	2	BCD USB Specification Release Number in Binary-Coded Decimal (i.e., 2.10 is 210H).	This field identifies the release of the USB Specification with which the device and its descriptors are compliant.
4	bDeviceClass	1	Class	Class code (assigned by the USB). If this field is reset to zero, each interface within a configuration specifies its own class information and the various interfaces operate independently. If this field is set to a value between 1 and FEH, the device supports different class specifications on different interfaces and the interfaces may not operate independently. This value identifies the class definition used for the aggregate interfaces. (For example, a CD-ROM device with audio and digital data interfaces that require transport control to eject CDs or start

				<p>them spinning.) If this field is set to FFH, the device class is vendor-specific.</p>	
5	bDeviceSubClass		SubClass	<p>Subclass code (assigned by the USB). These codes are qualified by the value of the bDeviceClass field. If the bDeviceClass field is reset to zero, this field must also be reset to zero. If the bDeviceClass field is not set to FFH, all values are reserved for assignment by the USB.</p>	
6	bDeviceProtocol	1	Protocol	<p>Protocol code (assigned by the USB). These codes are qualified by the value of the bDeviceClass and the bDeviceSubClass fields. If a device supports class-specific protocols on a device basis as opposed to an interface basis, this code identifies the protocols that the device uses as defined by the specification of the device class. If this field is reset to zero, the device does not use class-specific protocols on a</p>	

				device basis. However, it may use class-specific protocols on an interface basis. If this field is set to FFH, the device uses a vendor-specific protocol on a device basis.	
7	bMaxPacketSize0		Number	Maximum packet size for endpoint zero (only 8, 16, 32, or 64 are valid)	
8	idVendor	2	ID	Vendor ID (assigned by the USB)	
10	idProduct	2	ID	Product ID (assigned by the manufacturer)	
12	bcdDevice	2	BCD	Device release number in binary-coded decimal	
14	iManufacturer	1	Index	Index of string descriptor describing manufacturer	
15	iProduct	1	Index	Index of string descriptor describing product	
16	iSerialNumber	1	Index	Index of string descriptor describing the device's serial number	
17	bNumConfigurations		Number	Number of possible configurations	