

Panmobil (smart)SCANNDY2 config.ini file description

The Scanny2 config.ini file contains the most common device settings. The following tables provide a short summary of the option names, along with their respective meaning and possible values. To reset the config.ini file to the default values hold the lower black button down while the firmware starts and, after the beep, confirm the reset with the OK / PW button. *NOTE: this is not a build-in functionality, it has to be supported by the firmware by calling the PwrUpChkReset () function.*

[general] section

Name	Meaning	Possible values / Remarks	Default value
pwoffdelay	auto power-off delay in minutes	0 (always on) .. n	0
deviceid	custom device id	four decimal digits; optional, not used internally	0000
serial	device serial number	(read only)	—
serialx	extended device serial number, including two digits device class prefix	(read only)	—
usbmode	current USB device mode	(see below) (read only)	0
usbmodenext	USB device mode on next startup	0=mass storage 1=none 2=HID 3=Ethernet 4=serial	0
usbhidlayout	USB HID keyboard layout	0=ALT-Keypad (Windows fallback) 1=US 2=DE Windows (dead keys) 3=DE Linux (dead keys) 4=DE Linux (dead keys eliminated) 5=FR	1

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Name	Meaning	Possible values / Remarks	Default value
keyclick	toggle audible key click	0=OFF, 1=ON	1
startup sound	firmware startup sound	0=OFF, 1=ON	1
shutdown sound	firmware shutdown sound	0=OFF, 1=ON	1
sound volume	overall sound volume	0=MUTE, 1=ON	1
dispcontrast	OLED display contrast	0..100	40
dispsavedelay	Screen saver delay in seconds	1 - 86400	15
dispooffdelay	Screen dimming delay in seconds	1 - 86400	30
kbdallowstby	allow operator to enter standby mode via power key	0=NO, 1=YES	0
loglevel	syslog log level	0 (no logging) .. 7 (debug)	5
timezone	local time zone	UNIX time zone string	CET-1CEST,M3.5.0,M10.5.0/3

[uart] section

Name	Meaning	Possible values / Remarks	Default value
bps	default bitrate	one of: 1200, 2400, 4800, 9600, 19200, 38400, 57600, 115200	9600
parity	default parity	0=NONE 1=ODD 2=EVEN	0
databits	default data bits	one of 5, 6, 7, 8	8
stopbits	default stop bits	0=one stop bit, 2=two stop bits	0
port	default serial port	1=hardware RS232 connector 2=BlueTooth 3=TecPack 4=USB-serial	1

[bt] section

Name	Meaning	Possible values / Remarks	Default value
devname	BlueTooth device name	up to 31 alphanumeric characters	—
masterkey	BlueTooth master key	up to 15 digits	1234
slavekey	BlueTooth slave key	<i>(not used)</i>	1234
security	BlueTooth security	0=OFF, 1=ON	0
available	BlueTooth available	<i>(read only)</i>	—
dirty	BlueTooth settings changed	<i>(used internally)</i>	—
defaddress	default BlueTooth peer address	12 hexadecimal digits	000000000000
address	own BlueTooth device address	12 hexadecimal digits <i>(read only)</i>	—

[gprs] section

Name	Meaning	Possible values / Remarks	Default value
pin	SIM card PIN	four digits	0000
apname	mobile provider access point name		—
apuser	access point user name	use dummy value, if not needed	—
appasswd	access point password	use dummy value, if not needed	—
host	host name or IP address	DNS name or numerical IP address	127.0.0.1
port	host TCP port number	1..65535	80

[wifi] section

Name	Meaning	Possible values / Remarks	Default value
host	host ip address	numerical IP address in dot notation	127.0.0.1
port	host TCP port number	1..65535	80
dhcp	use DHCP	0=NO, 1=YES	1
ip	own IP address	for non-DHCP mode only	—
netmask	IP net mask in dot notation	for non-DHCP mode only	—

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Name	Meaning	Possible values / Remarks	Default value
gateway	gateway numerical IP address	for non-DHCP mode only	—
crypt	WiFi encryption mode	0=none 1=WEP 2=WPA-PSK 4=WPA2-PSK	2
ssid	wireless LAN SSID		ssid
wepkey	WEP key	used solely for WEP encryption	—
wpapsk	WPA key	used solely for WPA(2)-PSK encryption	—
mode	wireless mode	0=Auto 1=IBSS (ad-hoc peer-to-peer) 2=Infrastructure	2
region	WiFi region setting	16=USA 32=Canada 48=Europe 49=Spain 50=France 64=Japan	48
channel	WiFi channel	used in ad-hoc mode only	0
bssid	BSSID	(unused, reserved)	—

[uhf] section

Name	Meaning	Possible values / Remarks	Default value
region	UHF region setting	1=North America (<i>FCC 47 CFG Ch. 1 Part 15, Industrie Canada RSS-210</i>) 2=Europe (<i>ETSI EN 302 208</i>) 3=Korea (<i>MIC</i>) 6=PR China (<i>SRRC, MII</i>) 7=Europe2 (<i>ETSI EN 300 220</i>) 8=Europe3 (<i>Revised ETSI EN 302 208</i>) 193=Australia 99=Custom fixed frequency (see freq setting) 255=none	8
pwrsave	power save mode	0=min .. 3=max	2
rwpower	read/write power	1000 .. 2300 centi-Dbm (observe your local regulatory requirements!)	1999
fast	use UHF fast mode	0=OFF, 1=ON	1
gen2session	UHF EPC Gen2 session mode	0=S0: session persists with reader power only 1=S1: limited persistence when tag powered (500 ms < t < 5 s) 2=S2: persist when powered and at least 2 seconds after losing power 3=S3: persist when powered and at least 2 seconds after losing power	0
freq	UHF single frequency operation	840 .. 960 = f in MHz (observe your local regulatory requirements!) 0 = off	0

[barcode] section

Name	Meaning	Possible values / Remarks	Default value
prefix	code data prefix	(for serial transmission)	—
suffix	code data suffix	(for serial transmission)	—
terminator	code data terminator	(for serial transmission)	—

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Name	Meaning	Possible values / Remarks	Default value
termfirst	code data terminator/suffix order	0=suffix/terminator 1=terminator/suffix (for serial transmission)	0
sercdelay	intercharacter delay	0 ... 10000 ms (for serial transmission)	0
serldelay	newline delay	0 ... 10000 ms (for serial transmission)	0
hidprefix	code data prefix for HID transmission	see HID config guide	—
hidsuffix	code data suffix for HID transmission	see HID config guide	—
hidcdelay	intercharacter delay	0 ... 10000 ms (for HID transmission)	10
hidldelay	newline delay	0 ... 10000 ms (for HID transmission)	10

[laser] section

Name	Meaning	Possible values / Remarks	Default value
c39_enable	Code39 enable	0=OFF, 1=ON	1
c39_fullasci	Code39 full ASCII mode	0=OFF, 1=ON	0
c39_verify	Code39 verify	0=OFF, 1=ON	0
c39_xmitcheck	Code39 transmit check digit	0=OFF, 1=ON	0
c39_xmitss	Code39 transmit start/stop mark	0=OFF, 1=ON	0
c39_minlen	Code39 minimum length	1..255	1
c39_maxlen	Code39 maximum length	1..255	255
c128_enable	Code128 enable	0=OFF, 1=ON	1
c128_minlen	Code128 minimum length	1..255	1
c128_maxlen	Code128 maximum length	1..255	255
ean13_enable	EAN13 enable	0=OFF, 1=ON	1
ean13_xmitcheck	EAN13 transmit check digit	0=OFF, 1=ON	1
ean13_isbnissn_enable	EAN13 ISBN/ISSN support	0=OFF, 1=ON	0
upca_enable	UPC-A enable	0=OFF, 1=ON	0
upca_xmitcheck	UPC-A transmit check digit	0=OFF, 1=ON	0
upce_enable	UPC-E enable	0=OFF, 1=ON	0

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Name	Meaning	Possible values / Remarks	Default value
upce_xmitcheck	UPC-E transmit check digit	0=OFF, 1=ON	0
upce_toupca	UPC-E convert to UPC-A	0=OFF, 1=ON	0
ean8_enable	EAN8 enable	0=OFF, 1=ON	1
ean8_xmitcheck	EAN8 transmit check digit	0=OFF, 1=ON	1
codabar_enable	Codabar enable	0=OFF, 1=ON	0
codabar_verify	Codabar verify check digit	0=OFF, 1=ON	0
cb_xmitcheck	Codabar transmit check digit	0=OFF, 1=ON	0
cb_noss	Codabar no start/stop mark	0=OFF, 1=ON	0
cb_abcd_upr	Codabar use ABCD/ABCD	0=OFF, 1=ON	0
cb_tnxe_upr	Codabar use ABCD/TN*E	0=OFF, 1=ON	0
cb_abcd_lwr	Codabar use abcd/abcd	0=OFF, 1=ON	0
cb_tnxe_lwr	Codabar use abcd/tn*e	0=OFF, 1=ON	0
i25_enable	Interleaved 2of5 enable	0=OFF, 1=ON	1
i25_verify	Interleaved 2of5 verify check digit	0=OFF, 1=ON	0
i25_xmtcheck	Interleaved 2of5 transmit check digit	0=OFF, 1=ON	0
i25_minlen	Interleaved 2of5 minimum length	1..255	6
i25_maxlen	Interleaved 2of5 maximum length	1..255	255
chin25_enable	Chinese 2of5 enable	0=OFF, 1=ON	0
c93_enable	Code93 enable	0=OFF, 1=ON	1
codablockf_enable	Codablock-F enable	0=OFF, 1=ON	1
itf6_enable	ITF-6 enable	0=OFF, 1=ON	0
itf6_xmitcheck	ITF-6 transmit check digit	0=OFF, 1=ON	0
itf14_enable	ITF-14 enable	0=OFF, 1=ON	0
itf14_xmitcheck	ITF-14 transmit check digit	0=OFF, 1=ON	0

[imager] section

Name	Meaning	Possible values / Remarks	Default value
available	Imager (camera) available	<i>(read only)</i>	—
light	Imager light and exposure	-2=STEP (use lightrange, fixed exposure) -1=AUTO 0..255=LIGHT (fixed exposure)	170
lightrange	Imager light range	list (a,b,c,...) or range (start-stop[;n_steps])	10-255
width	Centered 2D decoder window, horizontal extent	10-640	640
height	Centered 2D decoder window, vertical extent	10-480	480
camoffdelay	Imager idle power off time in seconds	<=0=always ON, 1-10000s	-1
upce_enable	1D Imager UPC-E enable	0=OFF, 1=ON	1
upca_enable	1D Imager UPC-A enable	0=OFF, 1=ON	1
ean8_enable	1D Imager EAN8 enable	0=OFF, 1=ON	1
ean13_enable	1D Imager EAN13 enable	0=OFF, 1=ON	1
isbn10_enable	1D Imager ISBN10 enable	0=OFF, 1=ON	1
isbn13_enable	1D Imager ISBN13 enable	0=OFF, 1=ON	1
codabar_enable	Codabar enable	0=OFF, 1=ON ¹	0
codabar_check	Codabar verify check digit	0=OFF, 1=ON, 2=ON/strip ¹	0
codabar_shortmargin	Codabar allow substandard quiet zones	0=OFF, 1=ON ¹	0
codabar_improvebounds	Codabar improve bounds	0=OFF, 1=ON ¹	0
c128_enable	Code128 enable	0=OFF, 1=ON	1
c128_shortmargin	Code128 allow substandard quiet zones	0=OFF, 1=ON ¹	0
c128_suppresscbconflict	Code128 suppress Codablock-F conflict	0=OFF, 1=ON ¹	1
c128_partial	Code128 allow partial symbols	4..255 (length) ¹	0
c128_improvebounds	Code128 improve bounds	0=OFF, 1=ON ¹	0
codablockf_enable	Codablock-F enable	0=OFF, 1=ON ¹	1
c39_enable	Code39 enable	0=OFF, 1=ON	1
c39_check	Code39 verify check digit	0=OFF, 1=ON, 2=ON/strip ¹	0

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¹Setting is valid only on devices produced before June 2011.

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Name	Meaning	Possible values / Remarks	Default value
c39_fullascii	Code39 full ASCII decoding	0=OFF, 1=ON	0
c39_shortmargin	Code39 allow substandard quiet zones	0=OFF, 1=ON ¹	0
c39_partial	Code39 allow partial symbols	1..255 ¹	0
c39_improvebounds	Code39 improve bounds	0=OFF, 1=ON	0
c39_suppresscbconflict	Code39 suppress Codablock-A conflict	0=OFF, 1=ON ¹	1
codablocka_enable	Codablock-A enable	0=OFF, 1=ON ¹	0
trioptic_enable	Trioptic Code39 enable	0=OFF, 1=ON ¹	0
trioptic_shormargin	Trioptic Code39 allow substandard quiet zones	0=OFF, 1=ON ¹	0
dm_enable	Data Matrix enabled	0=OFF 1=normal video 2=inverse video 3=normal + inverse video	3
dm_rect	Data Matrix allow rectangular symbols	0=OFF, 1=ON ¹	1
dm_orientations	Data Matrix orientations	0=aligned, 1=omnidirectional ¹	1
dm_nonsquaremodules	Data Matrix allow non-square modules	0=OFF, 1=ON ¹	0
dm_shiftedtiles	Data Matrix allow shifted tiles	0=OFF, 1=ON ¹	0
dm_lowcontrast	Data Matrix low contrast improvement	0=OFF, 1=ON ¹	0
dm_improvements	Data Matrix use binary improvements	0=OFF, 1=ON ¹ 0	
dm_symbolsizes	Data Matrix	0=normal 1=small 2=very small ¹	0
i25_enable	Interleaved 2of5 enable	0=OFF, 1=ON	1
i25_check	Interleaved 2of5 verify check digit	0=OFF, 1=ON, 2=ON/strip ¹	0
i25_lengths	Interleaved 2of5 lengths	-4=six digits or more -2=four digits or more -1=two digits or more ¹	-4
i25_shortmargin	Interleaved 2of5 allow substandard quiet zones	0=OFF, 1=ON ¹	0
i25_partial	Interleaved 2of5 allow partial symbols	1..255 ¹	0
i25_improvebounds	Interleaved 2of5 improve bounds	0=OFF, 1=ON ¹	0

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Name	Meaning	Possible values / Remarks	Default value
maxicode_enable	Maxicode enable	each bit corresponds to a MaxiCode mode ¹	60
pdf417_enable	PDF417 enable	0=OFF, 1=ON ¹	1
micropdf_enable	MicroPDF417 enable	0=OFF, 1=ON ¹	1
micropdf_improvebounds	MicroPDF417 improve bounds	0=OFF, 1=ON ¹	0
qr_enable	QR Code enable	0=disable +1: normal video QR +2: inverse video QR +4: normal video MicroQR +8: inverse video MicroQR	1
qr_nonsquare	QR Code use non-square modules improvement	0=OFF, 1=ON ¹	0
qr_symbolsizes	QR Code	0=normal+micro 1=small+micro ¹	0
upc_enable	UPC/EAN/JAN enable	0=OFF, 1=ON ¹	1
upc_expansion	UPC E0 and E1 expansion	0=OFF, 1=ON ¹	0
upc_supplementals	UPC/EAN/JAN supplemental support	0=OFF 1=ON 3=ON + allow short margin 5=ON + allow large gap ¹	1
upc_shortmargin	UPC/EAN/JAN allow substandard quiet zones	0=OFF, 1=ON ¹	0
upc_extraprocessing	UPC/EAN/JAN additional processing	0=OFF, 1=ON ¹	0
upc_improvebounds	UPC/EAN/JAN improve bounds	0=OFF, 1=ON ¹	0
c93_enable	Code93 enable	0=OFF, 1=ON ¹	1
c93_shortmargin	Code93 allow substandard quiet zones	0=OFF, 1=ON ¹	0
c93_improvebounds	Code93 improve bounds	0=OFF, 1=ON ¹	0
aztec_enable	Aztec Code enable	0=OFF 1=normal video 2=inverse video 3=normal + inverse video	1

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Name	Meaning	Possible values / Remarks	Default value
rss_enable	Reduced Space Symbology enable	0=OFF +1:expanded +2:expanded stacked +4:limited +8:RSS-14 + RSS-14 truncated +16:RSS-14 stacked + RSS-14 stacked omnidirectional ¹	31
cc_enable	Composite Code enable	0=OFF, 1=ON ¹	1
s25_2ss_enable	Straight 2of5 2SS enable	0=OFF, 1=ON ¹	0
s25_2ss_lengths	Straight 2of5 2SS lengths	-4=three digits or more -2=two digits or more -1=one digit or more ¹	-4
s25_2ss_improvebounds	Straight 2of5 2SS improve bounds	0=OFF, 1=ON ¹	0
s25_3ss_enable	Straight 2of5 3SS enable	0=OFF, 1=ON ¹	0
s25_3ss_lengths	Straight 2of5 3SS lengths	-4=three digits or more -2=two digits or more -1=one digit or more ¹	-4
s25_3ss_improvebounds	Straight 2of5 3SS	0=OFF, 1=ON ¹	0
msip_enable	MSI Plessey enable	0=OFF, 1=ON ¹	0
msip_check	MSI Plessey verify check digit(s)	0=disable 1=mod10 2=mod11+mod10 3=two mod10 5=mod10/strip 6=mod11+mod10/strip 7=two mod10/strip ¹	0
msip_improvebounds	MSI Plessey	0=OFF, 1=ON ¹	0
pharma_enable	PharmaCode enable	0=OFF, 1=ON ¹	0
c11_enable	Code11 enable	0=OFF, 1=ON ¹	0

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Name	Meaning	Possible values / Remarks	Default value
c11_check	Code11 verify check digit(s)	0=two check digits 1=one check digit 2=two/strip 3=one/strip ¹	0
c11_improvebounds	Code11 improve bounds	0=OFF, 1=ON ¹	0
m25_enable	Matrix 2of5 enable	0=OFF, 1=ON ¹	0
m25_check	Matrix 2of5 verify check digit	0=OFF, 1=ON, 2=ON/strip ¹	0
m25_lengths	Matrix 2of5 lengths	-4=three digits or more -2=two digits or more -1=one digit or more ¹	-4
m25_improvebounds	Matrix 2of5 improve bounds	0=OFF, 1=ON ¹	0
telepen_enable	Telepen enable	0=OFF, 1=ON ¹	0
telepen_improvebounds	Telepen improve bounds	0=OFF, 1=ON ¹	0
nec25_enable	NEC 2of5 enable	0=OFF, 1=ON ¹	0
nec25_checksum	NEC 2of5 verify check digit	0=OFF, 1=ON, 2=ON/strip ¹	0
nec25_lengths	NEC 2of5 lengths	-4=three digits or more -2=two digits or more -1=one digit or more ¹	-4
nec25_improvebounds	NEC 2of5 improve bounds	0=OFF, 1=ON ¹	0