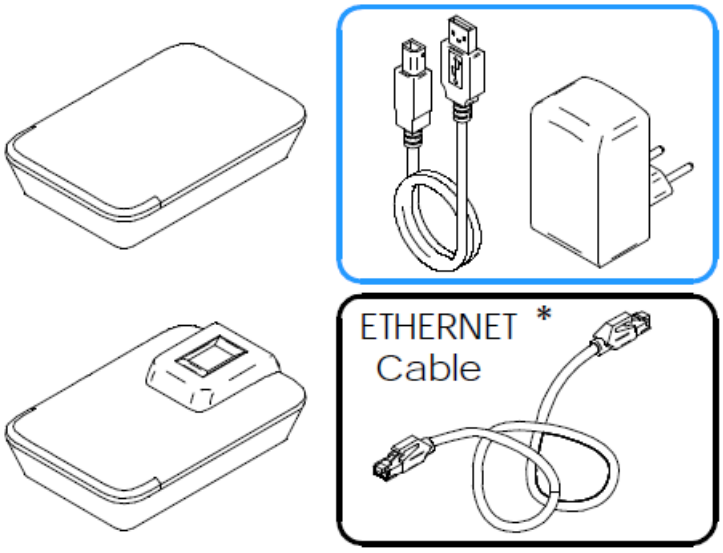
SALTO EC90ENUS Encoder Ethernet Encoding Dongle Installation Guide

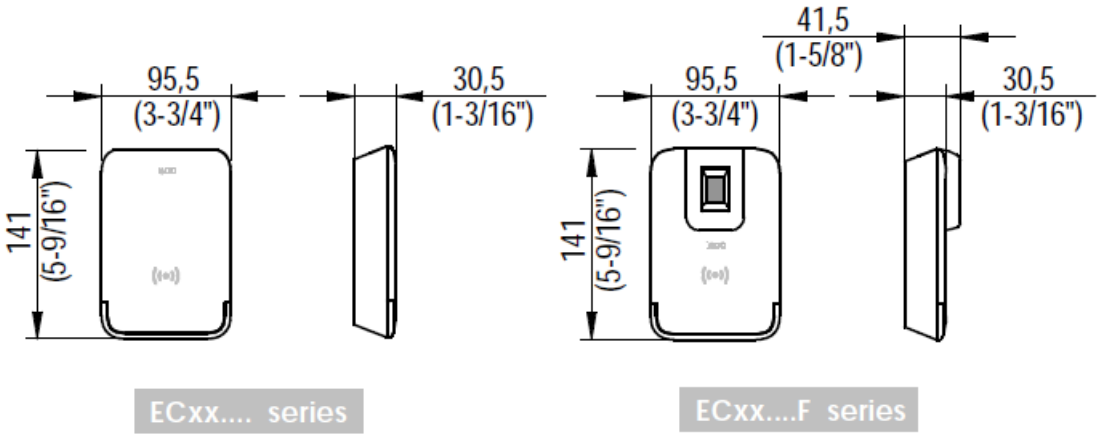
Contents [hide

Encoder Ethernet Encoding Dongle EC90ENUS

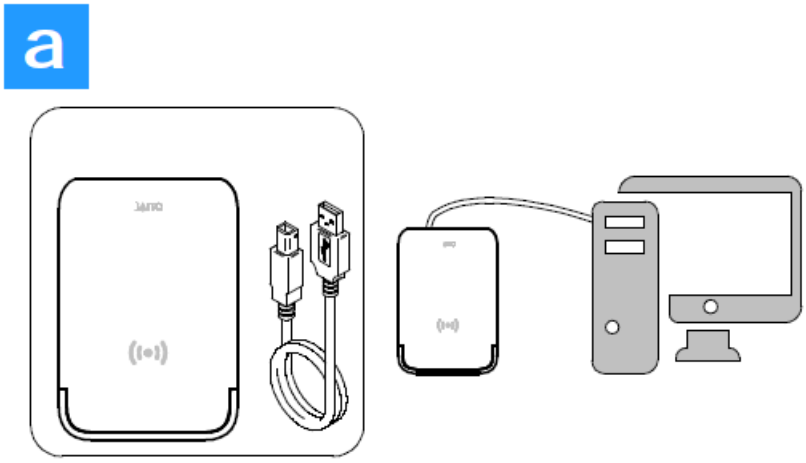
Installation guide



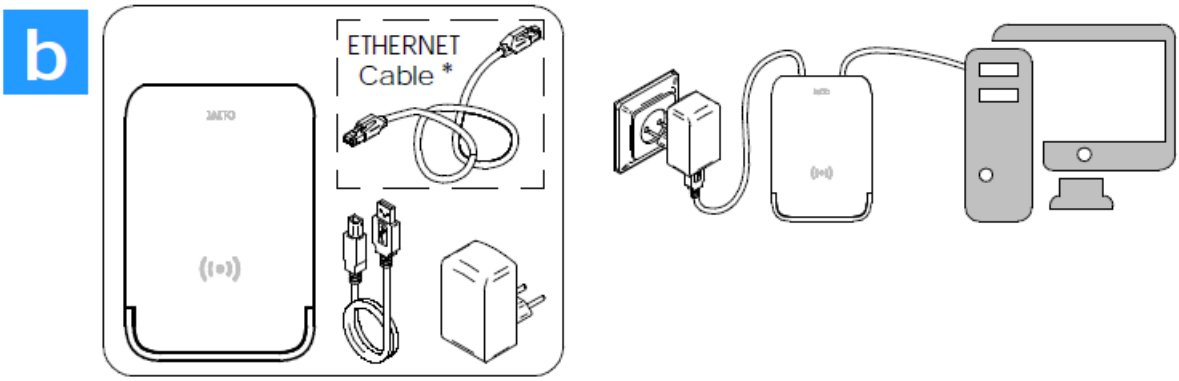
* **Not included**/ *No incluido* / Nict enthalten *Non inclus* / Não incluso



NCoder MODE

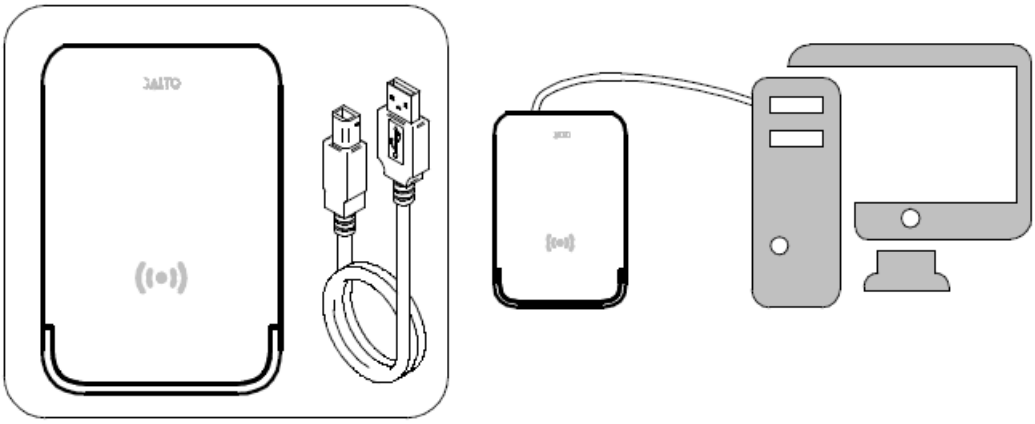


Select desired communication mode, USB (a) or Ethernet (b).



IMPORTANT: The Ethernet connection requires the use of the provided power supply adapter for a correct product operation.

DESKTOP READER MODE



Only with USB communication.

To be able to work in Desktop Reader mode, the NCoder must be configured through the Space software.

Electrical characteristics

OPERATING CHARACTERISTICS			
	Min.	Max.	Unit
Temperature	0	50	°C
Humidity	0	95	%

RF CHARACTERISTICS				
	Min.	Cen.	Max.	Unit
RFID frecuency	-	13.56	-	Mhz
Bluetooth Smart frecuency	2400	2445	2483.5	Mhz

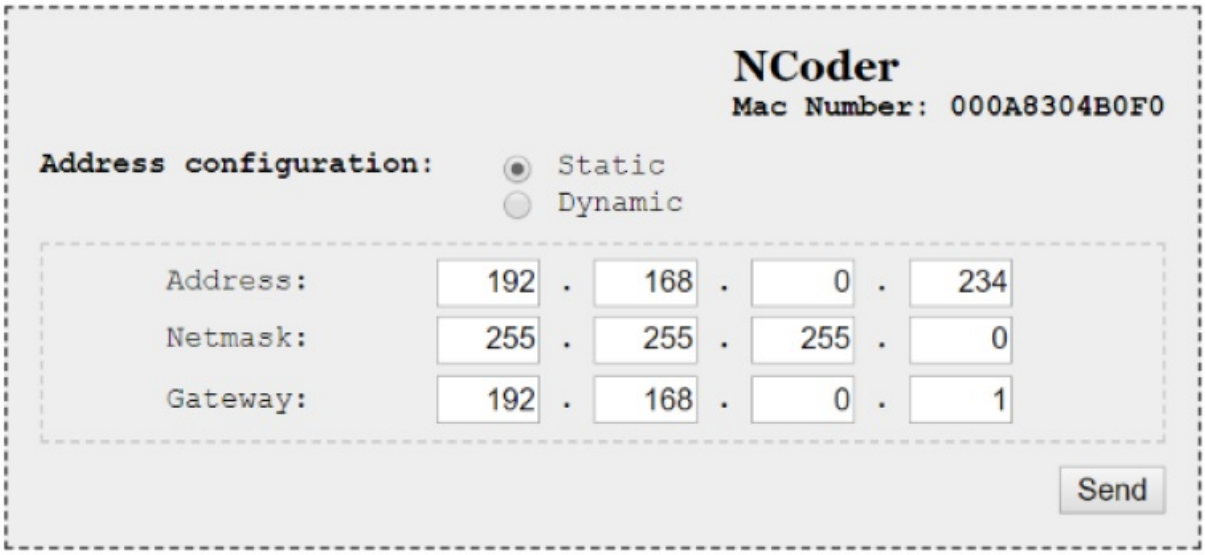
POWER CONSUMPTION			
	Typ.	Max.	Unidad
USB	250	400	mA
Ethernet	350	500	mA

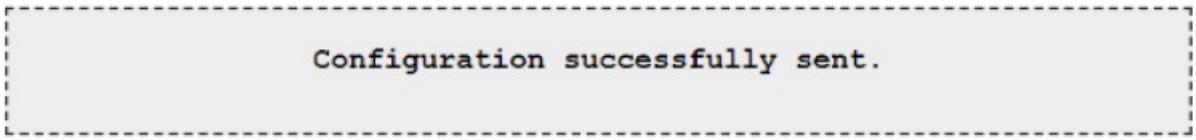
CABLE REQUIREMENTS	
Ethernet	UTP CAT5e
USB	USB 2.0 Male USB A to Male USB B

Configuration

ETHERNET CONNECTION

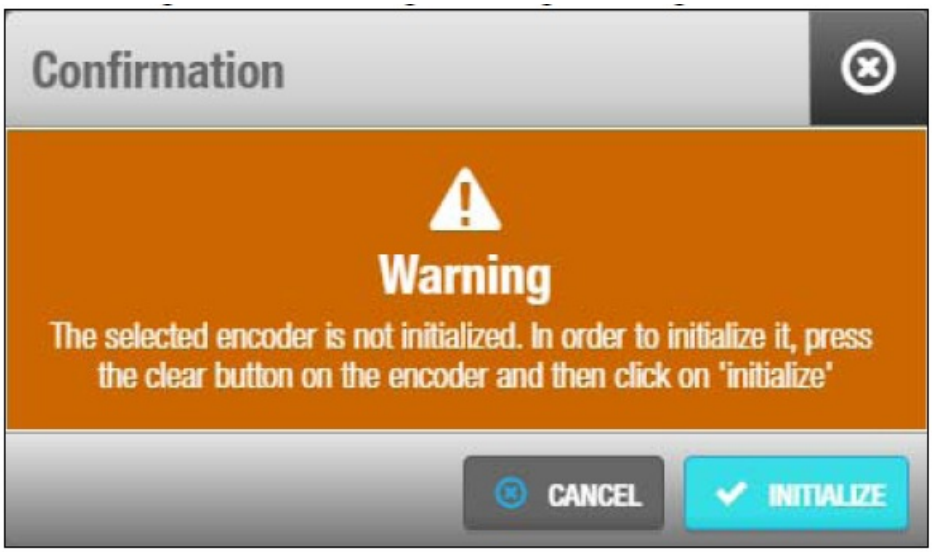
- The NCoder is a DHCP ready device.
- It is possible to manually change the IP settings from dynamic to static using a web browser.
- Connect the NCoder to the PC using an Ethernet cable (not provided).
- Make sure that the NCoder (v2) has been declared in “SALTO Network” and that the “Online” option is selected in the NCoder options (Admin/local settings).
- Press the back clear button for 5s to access the addressing mode (see addressing status signaling).
- Access the 192.168.0.234 IP internal IP address using a web browser.
- Change the needed parameters and use the “send” option. The NCoder will leave the addressing mode automatically (if no actions are required you can leave the addresing mode by pressing the CLR button for 5s).
- Click on the back clear button and press “INITIALIZE” (SALTO Network/NCoder).
- The NCoder is now ready to be used.





USB CONNECTION

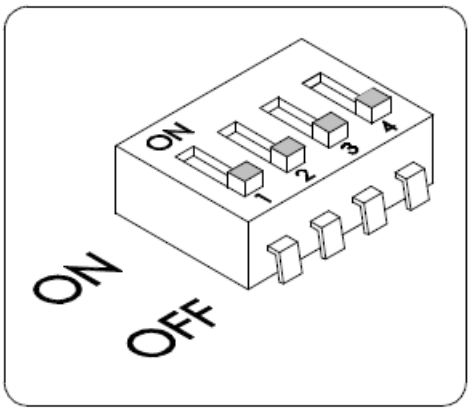
- Connect the NCoder to the PC using the provided USB cable.
- Make sure that “local” option is selected in the NCoder options (Admin/local settings).
- Perform any operation against the NCoder (ex. “Read Key”).
- You will get the following warning message:



- Click on the back clear button and press “INITIALIZE”.
- The NCoder is now ready to be used.

DIPSWITCH SET UP

For future uses



INITIALIZATION ON SPACE

It is necessary that NCoder be in factory mode (factory mode signalling). Press CLR button during 5 seconds and continue the steps described at Space's user manual.

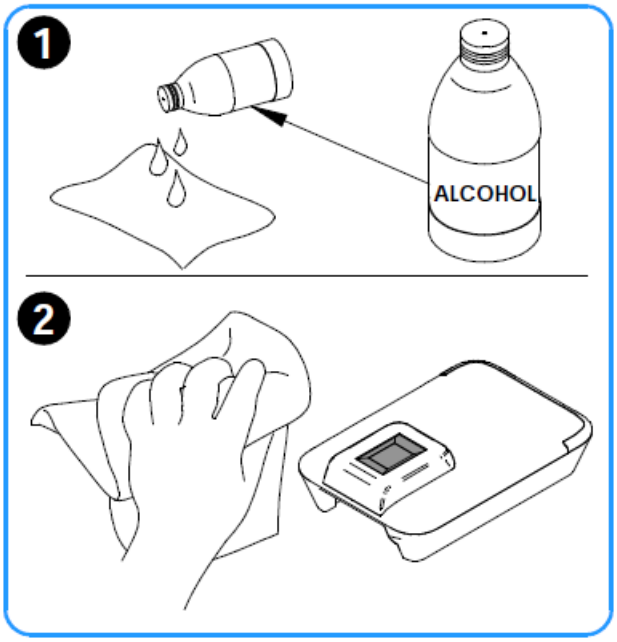
FATORY RESET

If it is necessary to re-install the NCoder, it is possible to restart it to factory mode. If you connect power supply while pressing CLR button during 5 seconds, the NCoder will return to the same status as when it left the factory.

Maintenance

Dampen a lint-free cloth or cotton swap with alcohol. Gently rub the cloth back and forth across the sensor. Repeat the process once or twice as needed. Visually observe that no residual solution remains on the sensor, especially the edges.

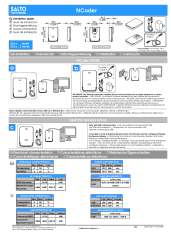
Caution: Harsh and abrasive materials are not recommended for cleaning sensors.
Keep the device in a safety place!



Signalling

SIGNALLING	LIGHT	TIME	BUZZER	TIME
Waiting for key/finger	Blinking green 500/500	Cont.	Low pitched 500/500	Cont.
Key processing	Blinking yellow 50/50	100 msec	Low pitched 50/50	100 msec
Successfully processed key/finger	Green	1 sec	Low pitched	1 sec
Operation failure	Red	1 sec	High pitched 50/50	1 sec
Factory mode	Red	Cont.	No	-
Addressing status	Yellow	Cont	No	-
Waiting for initialization	Blinking red 500/500	Cont.	No	-
Ncoder start up	Green	1 sec	No	-
DR activation	Yellow 1000 + Green 500	1,5 sec	Silence 1000 + high pitched 500	1,5 sec
Finger successfully reading	Blinking green 50/50	300 msec	Low pitched 50/50	300 msec
Finger failure reading	Blinking red 100/100	200 msec	No	-

Documents / Resources

	SALTO EC90ENUS Encoder Ethernet Encoding Dongle [pdf] Installation Guide EC90ENUS, Encoder Ethernet Encoding Dongle