



# Hacking animals for fun and profit

Roald Nefs

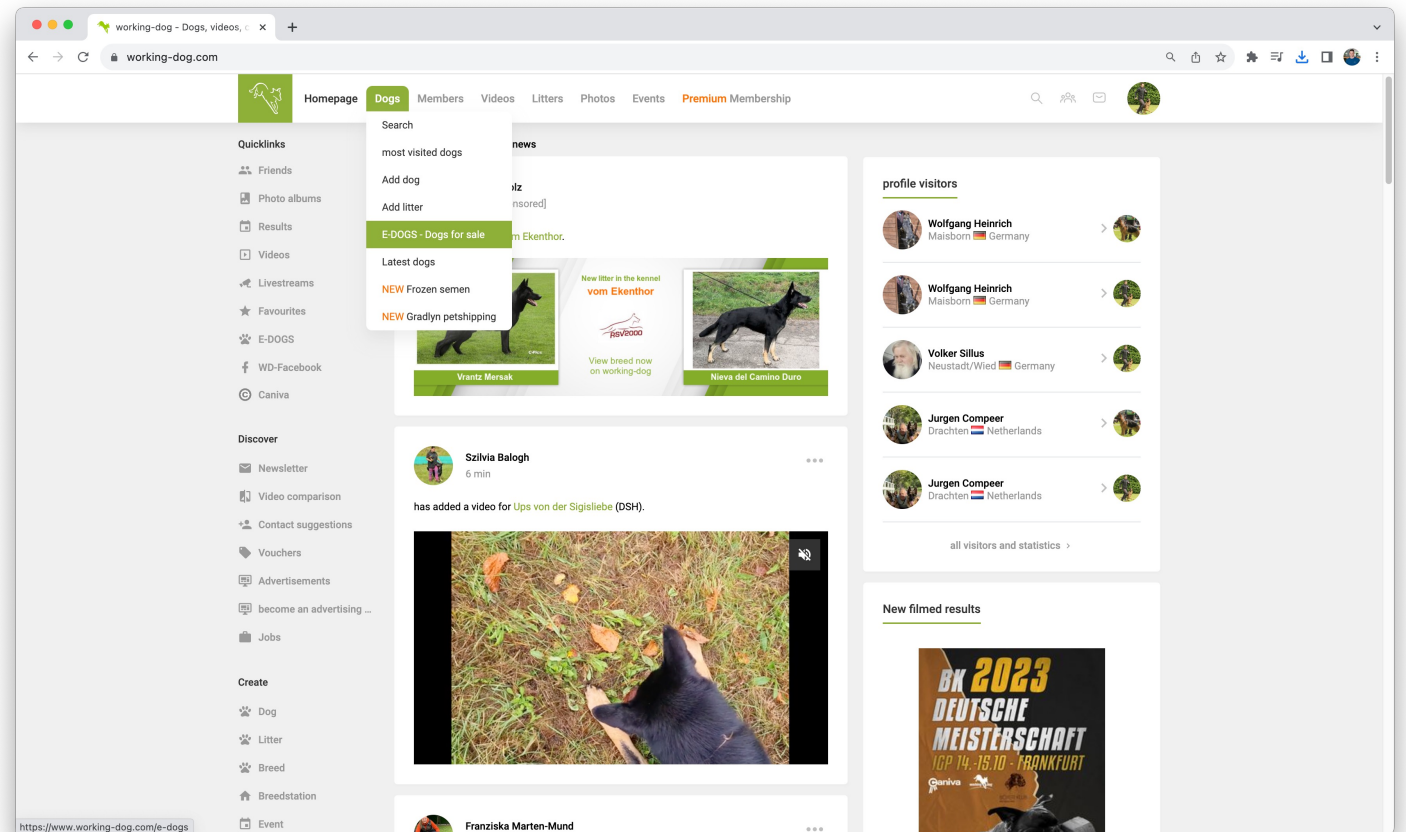


528140000795552



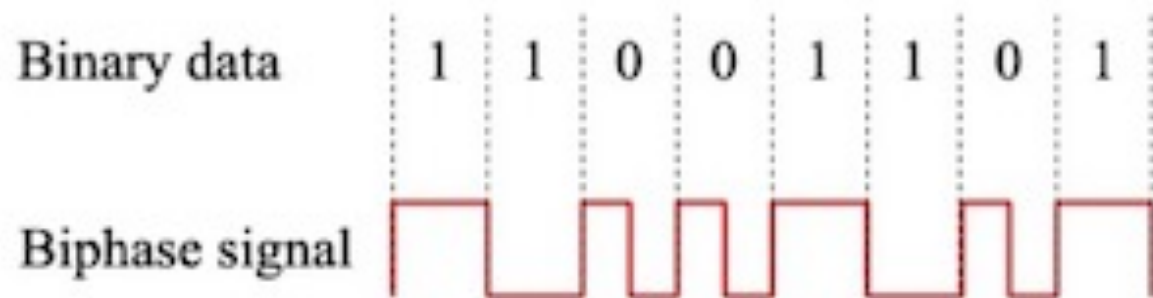
# Profit

- Fraud in sports and trade
- Theft
- Food safety by recording administering of medicine
- Administration of medical treatment by veterinarians



# FDX-B frequency and modulation

- Band: 134.2kHz
- Encoding: biphase





# Buying (re)writable microchips



10pcs 1.25\*7mm/1.4x8mm/2.12x12mm rfid FDX-B animal glass tag PETS tube RFID FDX-B 134.2KHz EM4304 animal ID microchip for pet

★★★★★ 4.8 - 6 Reviews 17 orders

**€ 12,29 / lot** (10 Pieces)

€ 13,66 -10%

Price includes VAT

Color: 2.12X12MM

1.4X8MM

1.25X7MM

2.12X12MM

Quantity:

1 + 9967 lots available

Ships to [Netherlands](#)

**Free Shipping**

From China to Netherlands via AliExpress Standard Shipping

Estimated delivery on Mar 25

[More options](#)



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♥ 112

✓ **90-Day Buyer Protection**  
Money back guarantee

# Spoofing

```
pm3 > lf fdxb clone --em
      --country 528
      --national 140000795552
      --animal

pm3 > lf fdxb reader
[+] FDX-B / ISO 11784/5 Animal
[+] Animal ID 528-140000795552
[+] National Code 140000795552
    (0x2098B29BA0)
[+] Country Code 528 - Kingdom of the
    Netherlands
[+] Reserved/RFU 0 (0x0000)
[+] Animal bit set? True
[+] Data block? False [value 0x0]
[+] RUDI bit? False
[+] User Info? 0 (RFU)
[+] Replacement No? 0 (RFU)
[+] CRC-16 0xF283 (ok)
[+] Raw 05 D9 4D 19 04 21 00 01
```



# Registration

The image displays two overlapping browser windows from Chipnummer.nl. The left window shows a search page for the BackHomeClub database. The right window shows the search results for a dog named Gentle Ghinjo von Haus Gaea, with contact information for the owner highlighted in red boxes. A German Shepherd dog is sitting in the bottom right corner.

**Search Page (Left Window):**

backhomeclub.nl/huisdieren?chip\_number=528140000795552

## Zoek in de BackHomeClub databank

Chipnummer

Zoek in de databank

**Gentle Ghinjo von Haus Gaea**  
(niet vermist)

528140000795552  
Hond | Duitse herder | Reu  
Niet gecastreerd/gesteriliseerd

**Telefoon:**

**Woonplaats:** Kollum

Aanvullende gegevens

**Naam eigenaar:** Niet gepubliceerd

**Volledig adres:** Niet gepubliceerd

**E-mailadres:** Niet gepubliceerd

**Search Results Page (Right Window):**

houdenvanhonden.nl/zoek-eigenaar?SearchString=528140000795552

Bijv. ras of onderwerp

 Zoek

**HOND**

Naam: Gentle Ghinjo von Haus Gaea

**EIGENAAR**

Telefoon: +31630892299

Email: info@roaldneps.com

**RAAD VAN BEHEER**  
HOUDEN VAN HONDEN

Raad van Beheer

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