

AGN1 operating manual.

BEFORE YOU BEGIN

AirGapNet AGN1 is controlled by SMS. The device needs a SIM card that can send and receive standard SMS messages.

A SIM card is included in the box -- the phone number is printed on a separate insert. You can also use your own SIM card if you prefer; make sure the plan supports the volume of SMS you expect, and that the SIM is inserted without a PIN code.

All commands are sent as plain SMS to the device's number. The reference below covers every command the device understands.

Default password on first power-up is 1111. Change it immediately with PWD before adding control numbers.

DEVICE DISPLAY

What the front panel shows.

Signal	Signal strength of the cellular module. Green = good reception. Red = reception too weak; switching may fail.
Status	Current line state.
State ON	IN and OUT are connected. OUTF is disconnected. Data flows through the line.
State OFF	IN and OUTF are connected. OUT is disconnected. The data line is mechanically broken.

GENERAL COMMAND STRUCTURE

Every command follows the same shape -- the command code, then a space, then the current password, then any further arguments separated by spaces.

GENERIC SYNTAX

```
<COMMAND> <SPACE> <PASSWORD> <SPACE> <ARGS . . .>
```

COMMANDS

SMS command reference.

ON

Switch the line ON

Connects IN and OUT so data can flow through.

SYNTAX

```
ON <space> <PASSWORD>
```

EXAMPLE

```
ON hugo123
```

OFF

Switch the line OFF

Disconnects IN from OUT. Instead, IN and OUTR are connected.

SYNTAX

```
OFF <space> <PASSWORD>
```

EXAMPLE

```
OFF hugo123
```

PWD

Change the password

First-time use only: the factory default password is 1111. Change it before normal operation.

SYNTAX

```
PWD <space> <OLD_PWD> <space> <NEW_PWD>
```

EXAMPLE

```
PWD 1111 hugo123
```

```
PWD hugo123 hugo124 (subsequent changes)
```

ADD

Add a phone number

Adds a control phone number and sets a per-number password.

SYNTAX

```
ADD <space> <PASSWORD> <space> <PHONE_NUMBER> <space> <NUMBER_PWD>
```

EXAMPLE

```
ADD hugo123 +14155551234 hugo125
```

TON

Turn ON phone-number whitelisting

Once active, only whitelisted numbers can issue commands. The sender of this command is added to the whitelist automatically.

SYNTAX

```
TON <space> <PASSWORD>
```

EXAMPLE

```
TON hugo123
```

TOF

Turn OFF phone-number whitelisting

Any number can issue commands again. Previously stored numbers are removed from the whitelist.

SYNTAX

```
TOF <space> <PASSWORD>
```

EXAMPLE

```
TOF hugo123
```

SON

Turn ON feedback SMS

The device replies with a confirmation SMS after every command. Use only if the SIM plan covers the extra messages.

SYNTAX

```
SON <space> <PASSWORD>
```

EXAMPLE

```
SON hugo123
```

SOF

Turn OFF feedback SMS

Factory default. The device does not reply to incoming commands -- keeps SMS costs minimal.

SYNTAX

```
SOF <space> <PASSWORD>
```

EXAMPLE

```
SOF hugo123
```

AON

Schedule daily ON

Switches the device ON automatically at the given time, every day. Manual switching still works in between.

SYNTAX

```
AON <space> <PASSWORD> <space> <HH:MM>
```

EXAMPLE

```
AON hugo123 12:37
```

AOF

Schedule daily OFF

Switches the device OFF automatically at the given time, every day. Manual switching still works in between.

SYNTAX

```
AOF <space> <PASSWORD> <space> <HH:MM>
```

EXAMPLE

```
AOF hugo123 14:34
```

ADL

Delete schedule

Removes both the ON and the OFF schedule. After this command no automatic switching happens.

SYNTAX

```
ADL <space> <PASSWORD>
```

EXAMPLE

```
ADL hugo123
```

ACH

Check schedule

Returns the currently set ON and OFF times.

SYNTAX

```
ACH <space> <PASSWORD>
```

EXAMPLE

```
ACH hugo123
```

VER

Firmware version

Returns the current firmware version of the device.

SYNTAX

```
VER <space> <PASSWORD>
```

EXAMPLE

```
VER hugo123
```

STS

Device status

Returns whether the device is currently ON or OFF. Requires feedback SMS to be enabled (SON).

SYNTAX

```
STS <space> <PASSWORD>
```

EXAMPLE

```
STS hugo123
```

TIM

System time

Returns the current system time stored on the device.

SYNTAX

```
TIM <space> <PASSWORD>
```

EXAMPLE

```
TIM hugo123
```

SAFETY

Safety & warranty.

- Use the supplied USB-C power supply only. The device input rating is 5 V DC / 0.65 W idle.
- Operate the device indoors at 0-40 C (32-104 F) and 10-85 % non-condensing relative humidity.
- Do not open the housing. The control unit is sealed; opening voids the warranty.
- Keep liquid away from the device. The housing is rated IP30 -- it does not tolerate splashing or condensation.
- Insert the SIM card without a PIN code. The device cannot enter a PIN on boot.

WARRANTY & LEGAL

- AGN1 carries a 24-month limited warranty against manufacturing defects. Warranty terms and the RMA process are documented at airgapnet.us/warranty.
- AirGapNet hardware complements existing security controls (firewall, EDR, segmentation, operator training). It does not replace them.
- Patent application pending (filed 2023, Austrian engineering).

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