SMARTCOOP -
Smart poultry keeping has never been so easy!

The SmartCoop System

With the SmartCoop System you can automate your chicken coop, simplify its everyday use, and increase the well-being of your flock. Control and monitor completely automatically your chicken door, the coop lighting, the coop ventilation, the feeders and many other SmartCoop modules.

All SmartCoop modules are connected and operated using the SmartCoop controller. The system is flexible, and can be extended by modules and adapted perfectly to different circumstances. This allows SmartCoop to be integrated into very small coops and also into larger fixed or mobile coops.

Thanks to automated processes, the intelligent interaction of the individual modules ensures an optimum living environment, prevents errors in husbandry, and thus encourages the well-being of the birds.

The system can be operated and monitored manually using the SmartCoop controller and also completely digitally by an app on a mobile end device.

Convert you coop into a place of well-being which is intelligent and simplifies the routine for man and bird!

Areas of use

The SmartCoop system is flexible, and can be extended by modules and adapted perfectly to different circumstances. If necessary, the connection cables for the modules can be flexibly extended with 2 m or 4 m extension cables. This allows SmartCoop to be integrated into very small coops and also into larger fixed or mobile coops.

Tip: Our Mobile Coop chicken coops have been preconfigured for SmartCoop automation, i.e. the installation of the modules is even simpler!
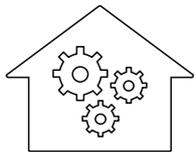
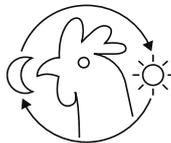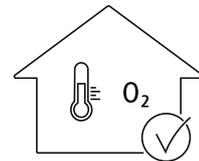## All advantages at a glance

Reliable
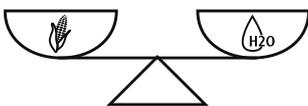
Freely extendible

Can be operated via the app

Automates the chicken coop

Constant day/night rhythm for increased well-being and higher laying performance
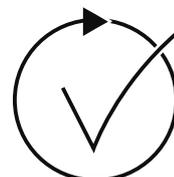
Optimum temperature & air conditions for a healthy coop climate

Monitoring of water and feed provision

Easy installation

Makes everyday life easier

All products at a glance

CONTROLLER

SmartCoop Controller (item 70600): The controller is the core of the SmartCoop system. All modules can be connected very easily to the controller via the plug-in locations in the housing. Operation is easy and convenient via the large illuminated display and operating buttons.
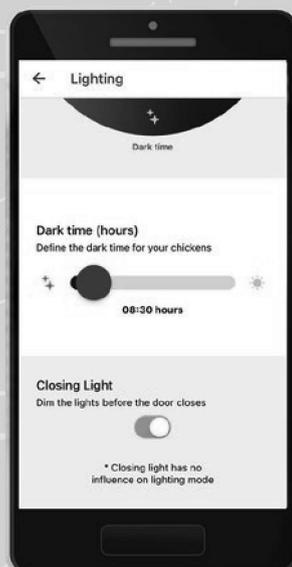

CONNECTIVITY MODULE

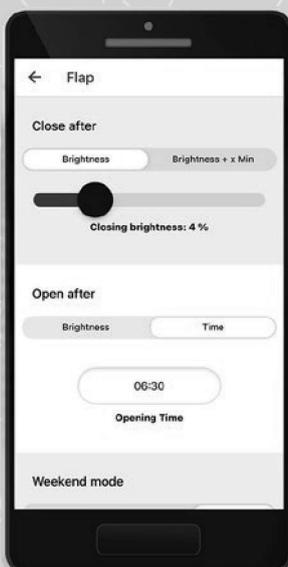The **Connectivity Module (Art. 70620)** connects the controller to the local WLAN, and allows all functions to be programmed and monitored completely digitally via the "Kerbl App".

All connected modules can be conveniently configured via the free Kerbl App, and can be monitored from anywhere, without having to access the coop. Receive important information and error messages directly on your smartphone!

The **Chicken Door with Rack and Pinion Drive (item 70645)** opens and closes automatically, and can be controlled by time, light or manually. During the night, it reliably protects the chicken coop against undesired intruders.

CABLE PULL

If you wish to use a classic slider, then instead of a chicken door with rack and pinion drive, you can connect the SmartCoop Cable Pull to the controller.

The **Cable Pull (item 70640)** opens and closes all common vertically mounted wooden, metal and plastic chicken flaps reliably and automatically. It can be controlled time-dependent, light-dependent or manually.

LED COOP LIGHTING

The **LED Coop Lighting (item 70621)** provides coop lighting targeted to your individual settings, and creates a healthy day/night rhythm.
The lighting duration is calculated on the basis of a defined dark time and the actual daylight phase.

A closing light can be activated. The brightness of the LED coop lighting increases shortly before the door closes, and thus induces the hens to return to the coop.

The **Coop Ventilation (item 70626)** ensures a sure supply of fresh air and a healthy coop climate. Switch-on duration, intervals and fan power can be set individually. In combination with the SmartCoop Air Temperature Sensor (item 70624), temperature-dependent switching on/off is possible.

For an optimum coop climate we recommend combined use with the **Coop Air Extraction (item 70625)**. It removes moisture and air contaminated with ammonia, and provides effective protection against moisture damage and mould infestation.
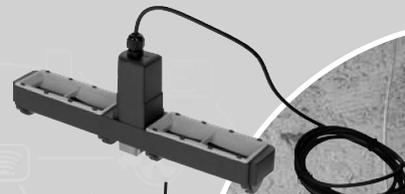
The **Drinker Heating (item 70652)** is an accessory for the SmartCoop Poultry Drinker (item 70651) for level control, and also prevents the drinking water from freezing.

The fill level sensor detects a water level which is too low, and sends a signal to the controller.

The integrated temperature sensor and the heating element of the drinker heating monitor the water temperature and prevent the drinking water from freezing.

The **Feed Dispenser (item 70662)** is an accessory for the SmartCoop Feeder (70660) for controlling the time and amount of feed provided, and for level control. The integrated sensor detects a filling level which is too low, and sends a signal to the controller.

The **switchable intermediate socket (Art. 70628)** controls the power supply to electronic devices (e.g. additional light sources, heating plates, heat lamps, etc.) according to individual time or temperature settings.
It is connected to an existing 230 V socket and the device to be controlled is plugged in. The power flow is interrupted according to the selected settings and the connected appliance is utilised intelligently and in an energy-saving manner.

The **Air Temperature Sensor (item 70624)** monitors the temperature in the coop and enables temperature-dependent control of the coop ventilation.

The **Signal Lamp (item 70623)** flashes synchronously with the integrated signal lamp on the SmartCoop controller. Error messages can recognised from outside, even if the controller is installed inside the coop.

When installing the controller inside the coop, the **External Daylight Sensor (item 70622)** replaces the sensor integrated into the controller, and detects the ambient light outdoors.

Not all chicken coops are provided with a power connection. The **Solar Set (items 70601, 70602)** in combination with a 12 Volt battery enables a mobile power supply for the SmartCoop system.

Would you like further information about SmartCoop automation?

Visit our landing page:
www.kerbl-smartcoop.com

Our hobby farming team of experts is happy to advise you on all matters relating to SmartCoop:

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