

# UVV CAN

## Vehicle Control System

### Simple is beautiful

UVCAN is a CAN-bus based control system suitable for any machine from hobbyist to entrepreneurs. Thanks to its modular structure, the control system can be modified to suit any machine without compromises. Forestry machines, tractor front loaders, forest trailers or dump trucks, or any other machine, which requires a precise hydraulic control, is a suitable application for UVCAN control system.

All modules in UVCAN are design to integrate seamlessly with each other. It is possible to test a simple and low cost system and later update it with additional modules to improve the system any way you want - The modules detect each other and they create a complete control system without any programming or software updates.



### Easy installation

UVCAN is very easy to install. Since UV07 control handle has inbuilt electronics for driving hydraulic valve solenoids directly, there is no need to install any external hydraulic controllers or electrical boxes. For machines that require a simple and low cost control system solution, It works alone as a simple - yet effective - electrical control system.



### Modern and clear user interface

The user interface of a UVCAN control system is a UVOD RGB touchscreen. Every operator has its own individual parameters, such as maximum speeds, accelerations and decelerations, easily configurable to each individual movement. The control system remembers these settings and warns about a fail situations, such as cable breaks, directly and clearly on the touchscreen.

### Technical specifications

Supply voltage	12 VDC or 24 VDC
Control of hydraulic valves	Current 0 - 2200 mA, Voltage 0 - 80% $U_{dc}$
Operators	4 pcs
User interface	4.3" touchscreen with colors
Vehicles	Forestry machines, tractors, cranes, trailers, dump trucks

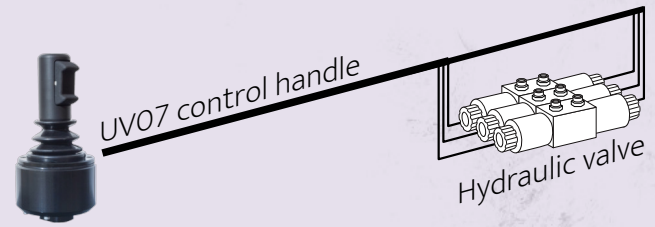




# UVCAN Example Installations

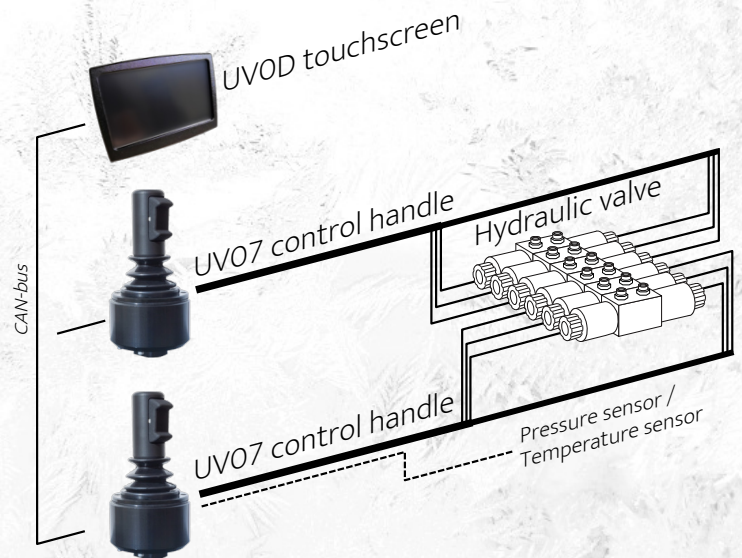
## Tractor front loader

UV07 controls the hydraulic valve solenoids directly. Simple and low cost electrical control system. The system can control up to 10 proportional solenoids. Setting the parameters requires a UVOD touchscreen display.



## Tractor forest crane

Tractor's forest crane or forest trailer can be operated with two UV07 control handles and a UVOD touchscreen display. No need to install any additional electric boxes in the cabin of the machine. The system can control up to 20 proportional solenoids. Individual parameters for each operator are easily set via the UVOD touchscreen display.



## Forestry machine

A state-of-the-art control system for entrepreneurs and the most demanding applications. The control system provides lots of features plus a minimal and simple wiring harness. UV12 hydraulic controller can be installed right next to the hydraulic valve and only CAN-bus connects it to the rest of the control system. The system can control up to 40 proportional solenoids. Individual parameters for each operator are easily set via the UVOD touchscreen display.

