

FCS 27084 IntelliSteer-Lite

IntelliSteer-Lite is a Factory Fitted automatic steering system for CX5/6 Standard combines.

Point of view Value Proposition, accuracy and return on investment for the CX5/6 customer this solution beats all records.

Another major advantage is that it can be moved after the harvest season to a tractor, even competitor tractors.

The old SmartSteer system is deleted from the offering because of the very low take rate and to reduce the tremendous complexity in AGR-steering axles.



The Factory Fitted option contains the following components:

1. The steering motor: High torque electrical motor mounted in the plant under the steering wheel. High-torque, positive-gear drive with whisper quiet operation to steer even the most demanding vehicles. Brushless DC Motor for long live reliability. Unique split-ring assembly for easy removal and transfer to other vehicles.
2. The controller: is mounted in the plant in the same location as the other UCM machine controllers. T3™ Terrain Compensation technology continually corrects for roll, pitch and yaw by using threeaxis solid state inertial sensors to give you a true on-ground position.

Roll - change in orientation between left and right side

Pitch - change in orientation between front and rear

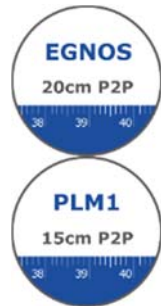
Yaw - left to right orientation change
3. The Antenna: New generation Cygnus A antenna capable of processing Egnos and PLM-1 accuracy correction signals (=level of accuracy: +/- 15 cm Pas To Pass.). NO unlock is required! This antenna is a Dual Frequency, GPS + Glonass, L-band.
4. The need to pay a yearly Subscription for PLM1 (=level of accuracy: +/- 15 cm Pass To Pass) for the satellite delivered correction signal. BUT it is free the first year!! This solution provides an accuracy which will be perfectly suite 90% of the customers.

IntelliSteer-Lite advantages for the customer:

1. Increased forward speed and reduced working time
2. Reduced fuel consumption due to increased efficiency and less overlaps.
3. Reduced stress, the drive can focus on PERFORMANCE instead of on good steering

Other Upgrades: available via Spare parts:

1. The base configuration of the Cygnus A: EGNOS (20 cm Pass To Pass): no single subscription is required. This solution will be selected by starting Farmers who just want to exploit the comfort of auto guidance.
2. The antenna can be upgraded at all time to PLM2 accuracy level (= 5 cm Repeatable year over year): this requires a lifetime unlock for the Cygnus A and a different yearly subscription for the satellite delivered correction signal. This solution will be selected by CTF-Farmers who want to keep their guidelines for the next years to come: Controlled Traffic Farming
3. As a next step the antenna can be upgraded at all time from PLM2 to "PLM Connect RTK" (= Ntrip, 1.5 cm Repeatable year over year): this requires the Telematics Modem and also a different yearly subscription for the NTRIP delivered correction signal. This solution will be selected by CTF Farmers who want very high accuracy for their guidelines.



Part Number	Description	List Price Indication
Accuracy Upgrade Unlocks		
48024539	Software Upgrade - Basic Level accuracy to PLM2 Level accuracy,	1400€
48024540	Software Upgrade – PLM2 Level accuracy to RTK Level accuracy,	1 400€
Subscriptions (Satellite delivered correction signal)		
48024525	PLM1, Agriculture Applications, Regional, 1 Year,	300€, First year for free
48084210	PLM2, Agriculture Applications, Regional, 3 months,	400€
48084211	PLM2, Agriculture Applications, Regional, 1 Year,	800€