



## **Phase Motion Control S.r.l.**

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*Cap. Soc. Euro 41.600,00  
Iscr. Registro Imprese di Genova  
N. 59623 Fasc. 77892  
R.E.A. N. 343807  
R.D. 14/02/94  
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## **AxM Unavailable Functionality on the firmware release 4.x**

### **Resolver**

Resolver is the cheapest position sensor but it has very low quality.

AxM with firmware 4.x manages resolver but has not specific filter and algos to take out the systematic error.

We do not recommend the use of AxM with resolver mounted on motor with high number of poles (more than 8), like Ultract T series.

### **Sinusoidal Encoder Interpolation**

The firmware 1.x manages sinusoidal encoder as well as digital encoder without interpolation, therefore the use of sinusoidal encoder do not provide better performance. At the moment the best behaviour it's obtained with ENDAT encoder (heidenhain EQI1329 o ECI1317).

### **Bus Intradrive**

The Intradrive serial link is not implemented on firmware 4.x; moreover it is possible to use the CANLink interface, based on CAN hardware. Using this interface one drive become master of the net and it is possible to exchange data with a maximum of 6 slave drives. Refer to the software manual (rel. 1.4) for the parameters configuration.

### **AML**

The AML programming language is still not available on AxM drives

Genova: June 28 2007

Phase Motion Control Srl