



# PRESS RELEASE

## **Formula 1 teams select CableFree laser as preferred solution in the pits**

*Five leading race teams use Cablefree IR/laser to transmit race-critical data*

**Surrey, 26 March 2001** – CableFree Solutions Limited, leading manufacturer of Laser/Infra-Red (IR) wireless connectivity systems, has been selected by five of the leading Formula 1 racing teams to supply Laser/IR data transmission solutions for 'pit-to-paddock' data communications.

The various teams have adopted multiple CableFree™ systems to download telemetry data from each of their cars as they enter the pits, via a low-band radio pick-up, usually mounted on the pit wall. The cars typically have whip aerials mounted on the front of the vehicle transmitting the data continuously.

This data, which includes all the details about the car's systems, such as timing, throttle function, oil pressure, and temperature, is then networked into the computers of the pit garage, where the team mechanics can see processed information on which they can make decisions about service requirements for the car.

Configured to transmit data at speeds of 100Mbps, the Cablefree laser heads are employed, in certain cases, to send this vital information from the pit wall to the pit garage computers and/or from the pit garage computers to the computers of the team's support trucks, often based in the race-course 'paddock', where further analysis can take place.

The F1 teams also use the Cablefree links to access their entire network from the pit wall, including downloaded data from previous races stored on their server. This allows much wider, real-time analysis to take place and, at 100Mbps, allows the fastest, most appropriate decisions to be made.

Laser technology was a first choice for the application, offering unlicensed and interference-free operation, which, unlike radio systems, allows the teams to take the links with them for deployment on all racetracks worldwide. CableFree's systems are designed for ultra-rapid deployment on tripods, with link alignment typically achieved in seconds.

Cablefree Director, Penny Lee, said, "Being the first choice of five of the leading Formula 1 racing teams, whose exacting data communications requirements mean that any transmission systems employed must be absolutely reliable. This highlights the level of sophistication that Cablefree's Laser/IR equipment has attained, as well as the level of respect it has achieved in such a high-profile sector. Cablefree offers race-winning solutions."

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**N.B. Both *Cablefree Solutions*<sup>™</sup> and *Cablefree*<sup>™</sup> are trademarks of *Cablefree Solutions Limited*. The graphical representation of buildings connected by beams is a Registered Trademark of *Cablefree Solutions Limited*.**

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