

13. Possible factors for low transmission speed of LC-01?

There are many possible reasons for it:

- 1> LC-01, "Scramble" function lowers down the speed; please make sure it is off. The 'Scram' indicator will be flashing when it is on, please make sure it is distinguished.
- 2> LC-01 is not set to 'data' mode: please make sure to set LC-01 under 'data' mode; if this is not done correctly, the transmission can still be operational but with very slow speed; there is the Data indicator on LC-01 and it will be flashing when it is under 'data' mode. Please make sure it is on and flashing.
- 3> Modem type and setting; please make sure the modem setting is correct (data flow control is set correctly), so not to limit the speed.
- 4> The real data traffic on telephone line (network) is too low: for checking the real traffic flow, please try the 'wired' transmission to find the actual speed on the telephone line;
- 5> ISP resource is limited and causing the low traffic, for checking the real traffic flow, please try the 'wired' transmission to find the actual speed under ISP's resources. (better test 2 different ISP);
- 6> RS-232 cable: must be standard one: less than 5 feet;
- 7> Too much noise on telephone line: make sure there is no noise on telephone line, if there is, changes the line.
- 8> Too much noise on Radio line (caused between Base & Remote): make sure from remote there is no noise on the line. If there is no noise on the PSTN line (at Base end) but there is noise at Remote end, it means the noise coming from the radio transmission, please check follows:
 - 8-a>Antenna cable connection; bent and slightly damaged inside?
 - 8-b>Cable connector: connected tight enough? too much humidity?
 - 8-c>Antenna installation well? Please improve the location and height, especially the height.
 - 8-d>The radio transmission distance is too far subject to on-site geographical conditions. may try the higher gain antennas, we have many kind of antennas, please contact us for this.