

Subject: TS-2000 fault

By Felix HB9ABX May 2011

This was copied from the Public Amateur Radio Bulletin network as it would be useful to Radio Amateurs that operate their TS-2000's with the various data modes

Note: None of this has been verified by Paul G4APL with his TS2000e as his TS-2000 serial number is in the 9050000 range.

TS-2000 fault

Affects: Amtor, Pactor, Rtty, Psk31 etc. with TS-2000

For HF digimodes the connection is made through the ACC2 connector. This erroneously has a fault, as power starts with abt. 5% output, rising slowly in a few seconds, when switched to transmit.

The "slow start problem" is then "corrected" by the operator by increasing the gain, or using the processor, which then produces a very broad, distorted signal. Many operators are not aware of this and produce hereby much QRM on the band.

This fault is known by KENWOOD. They have a field upgrade to correct this "slow start problem".

Affected are units with a serial number below 309'000. If your equipment is affected, then contact Kenwood and request the upgrade (software and hardware).

After performing this upgrade watch your signal on a control receiver and verify during a RTTY or FEC transmission, that your signal sounds clear and undistorted.

Distortion may also come through RF coupling into the input lines. It is recommended to use an adapter box which provides RF filtering and continuous level adjustment.

More specific details are available on request Send me a packet MSG or an E-Mail to hb9abx at sunrise.ch

Best 73s, Felix