RADIO TX INTERFACE CABLE PIN-OUT AND HOOKUP INFORMATION

IRRI-GATOR Products manufactures two basic types of radio transmitter interface cards. One of the cards is used by the Gulf 600, Gator 2000 irrigation control system, Gator 2000 parallel stand-alone system (using the 16 line input cards) or the Gator 5000 PC based system. The other card operates with the Galileo (or old Elagro 2000) controller produced by Galcon.

Information pertaining to the pin-outs and hook-up of the TX interface cable between either of these two transmitter interface cards mentioned above, and the Motorola GM 340 mobile radio, are provide below. It should be noted that the cable between the Eldar / Shany Elagro 2000 TX interface card Version 1.00 and the Motorola GM 340 radio was changed on Version 1.1 to the standard Gator TX interface cable.

THE STANDARD GATOR TRANSMITTER INTERFACE CABLE *(suited to all version of GATMOT and version 1.1 of the GALMOT cards)* -

The cable is a standard 12 core 0.22mm cable with an unsheathed screen. The following cores are in use or are reserved for future use –

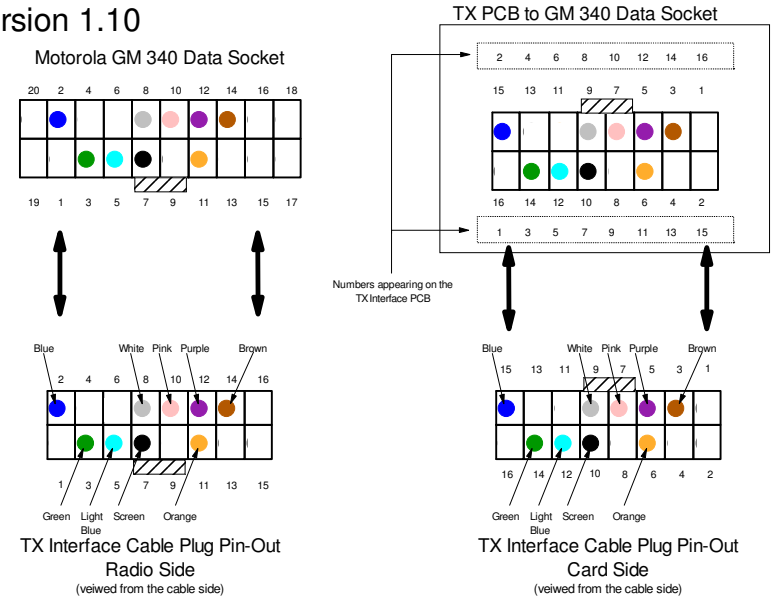
Blue	– Reserved for future use
White	– Reserved for future use
Pink	– Automatic radio power on line when 12 volt DC is applied
Purple	– Channel switching on the Motorola radio
Brown	– Reserved for future use
Green	– Reserved for future use
Light Blue	– Transmission data injection line
Screen	– Ground
Orange	– Reserved for future use

The schematic below provides the pin-outs of the cable plugs and the sockets on both the interface card side as well as the radio side.

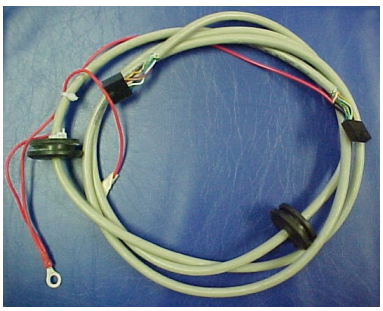
NOTE!!!

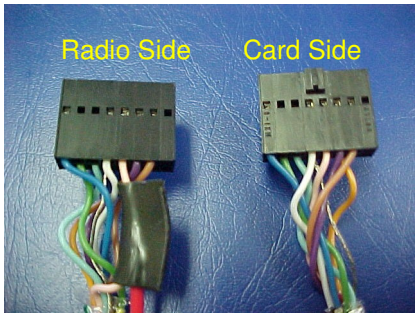
a) The numbering on the printed circuit board does not conform to the numbering on the 16 Way 90 degree header socket.
b) The schematic below pertaining to the interface cable are viewed from the cable side and not from the plug side.
c) The schematic below pertaining to the 20 Way radio header socket are viewed from the back of the radio with the radio facing the normal lane for installation. Meaning “up is up”.
d) The direction of the locating tabs on the plugs and sockets are detailed on the schematics

Version 1.10



The Transmitter Interface Cable Pin-Out and Hookup for the Motorola GM 340





THE ELDAR SHANY ELAGRO 2000 TRANSMITTER INTERFACE CABLE (Card VER 1.00) -

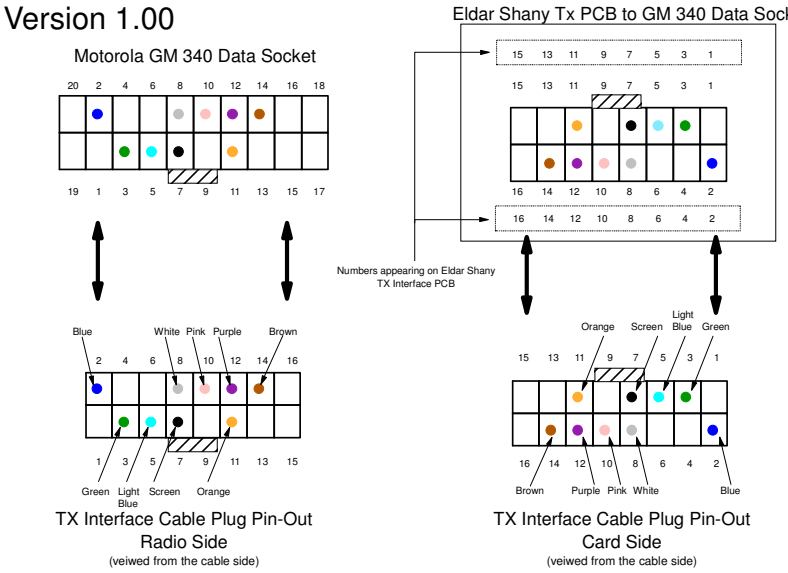
The cable is a standard 12 core 0.22mm cable with an unsheathed screen. The following cores are in use or are reserved for future use –

Blue	– Reserved for future use
White	– Reserved for future use
Pink	– Automatic radio power on line when 12 volt DC is applied
Purple	– Channel switching on the Motorola radio
Brown	– Reserved for future use
Green	– Reserved for future use
Light Blue	– Transmission data injection line
Green	– Ground
Orange	– Reserved for future use

The schematic below provides the pin-outs of the cable plugs and the sockets on both the interface card side as well as the radio side.

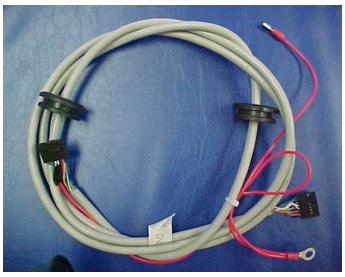
NOTE!!!

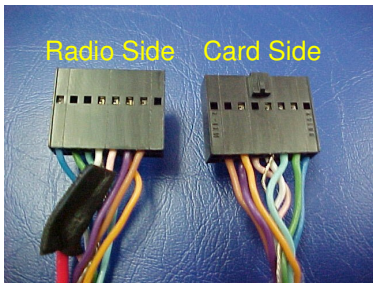
e) The numbering on the printed circuit board conforms to the numbering on the 16 Way 90 degree header socket.
f) The schematic below pertaining to the interface cable are viewed from the cable side and not from the plug side.
g) The schematic below pertaining to the 20 Way radio header socket are viewed from the back of the radio with the radio facing the normal plane for installation. Meaning “up is up”.
h) The direction of the locating tabs on the plugs and sockets are detailed on the schematics

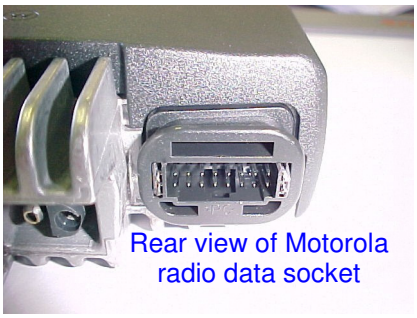


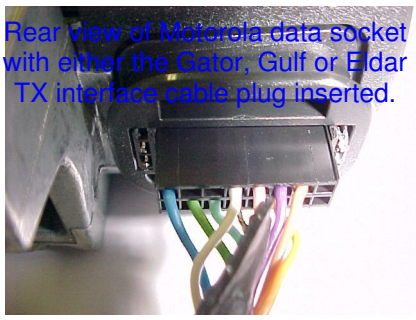
For sales or technical support please contact Irri-Gator Products (Pty) Ltd at: Tel: +27 21 9827561, Fax: +27 21 9814473, E-mail: info@irrigator.co.za
P. O. Box 889, Brackenfell, 7561, Western Cape Province, South Africa

The Transmitter Interface Cable Pin-Out and Hookup for the Motorola GM 340









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