

El porqué ;

Porque No hay forma de que se usen SOLO y ÚNICAMENTE las Estrictamente necesarias Sentencias para que todo y en todo vayan bien.

Adobe Acrobat Professional - [DPRSInterface.pdf]

Archivo Edición Ver Documento Comentarios Herramientas Avanzadas Ventana Ayuda

Seleccionar 118% Ayuda

D-PRS Interface also converts the ICOM GPS-mode transmissions into an APRS posit. The first four letters of the GPS "message" are interpreted as a symbol per Appendix 2 of the APRS specification. A checksum (xor'ed from zero) prefixed by an asterisk is required in the GPS message. To simplify setting the GPS message, use the [D-PRS Calculator](http://www.aprs-is.net/dprscalculator.htm) at <http://www.aprs-is.net/dprscalculator.htm> You must have JavaScript enabled in your browser to use that page.

The first three letters of the message are used if they are separated from the rest of the text by a space (total of 4 characters) or there are only two or three letters in the message. The first three characters are interpreted as the xyz part of the APRSxyz destination call system as outlined in the APRS specification. For instance, the GPS message (without quotes) "LK PETE IN TEXAS*17" would be interpreted as a truck symbol. Note that a space is in the z position as well as another space in the fourth character position.

This allows the DSTAR radios to be used as standard trackers. **Only the \$GPRMC and \$GPGGA strings are supported; other GPS strings are ignored.** DSTAR callsigns are trimmed (leading and trailing spaces are eliminated) and imbedded space(s) are converted to a hyphen (the DSTAR radios do not support hyphens in the callsign). This allows a standard SSID configuration. The GPS message is also trimmed of all leading and trailing spaces.

The \$CRCxxxx,packet format is compatible with the Icom GPS-A mode. This is the same format used by radios in that mode. Packets received from an Icom radio in GPS-A mode will be gated to APRS-IS once per transmission. Like GPS mode, GPS-A mode sends positions continuously while transmitting voice so only the first packet in a transmission is gated. IC-2820s should be run in GPS-A mode with the UNPROTO set to API282,DSTAR*

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GPS MAP - Mozilla Firefox 4.0 Beta 11

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GPS MAP

file:///C:/temp/To work/RADIO HAM/HARDWARE/MONTAJES/DJ700/Translate Inglés/dsta

Fig.1

As already erwähnt, is the evaluation of received navigation data, preferably via the built-in display devices of the D-STAR radios. Moreover, there is also the possibility of external eg LCD display using a small microcontroller unit. See my page: <http://www.kh-gps.de/stardec.htm>. An additional request was now realized, however, even to location data received for a map display. After D-Star equipment from house NMEA protocols such as **RMC and GGA** transferred, should each with a GPS-equipped standard data interface PC card program for first trials be usable. The disadvantage is of course, that the representation of a map view can be centered based on the received only the most recent navigation data and a multi-station signs including identification display is not possible. For Later one would, therefore, at this point a special on the D-Star format customized software wish. They should then evaluate Complementary sender's call and also enable the simultaneous display of a variety of other station with identification marking. So much for the future, but for initial trials, it is even attractive, just experimenting with simple solutions. For data analysis using a stationary PC's it is here in the simplest case, but even combined, the data output of a D-STAR equipment with the COM port of your computer and start an appropriate card in this program. It is important of course that this program is also used by the radio baud rate is set. Generally, it is, whether the used D-STAR unit in the data or operating in GPS mode. Depending on the option selected, the access to the serial device interface, however, with different data rates. While working example, the hand-held radios IC-E91 IC-E92 and in data mode only with 38400bps, may be the appropriate value for other types of devices can also 9600bps (see Table 1). Thus it may be easier, instead, at this point, the GPS to-use mode, which use a unified data rate of 4800bps (with newer types of equipment also allows selectable between 4800bps and 9600bps).

ind_gps - Mozilla Firefox 4.0 Beta 11

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ind_gps

file:///C:/temp/To work/RADIO HAM/HARDWARE/MONTAJES/EA3CNO/Gps-A/ind_gps.htm

Google

Opinión

Ham Radio

Inicio
 Presentación
 Antenas V-UHF
 Modem APRS
 Transceptor VHF
 Receptor 137 MHz
 Adaptador D-Star
 Estacion Meteo
 GPS
 Cargador NiMh

catala

De aquí surgió la idea de diseñar un receptor GPS, que además de facilitar la información de posicionamiento en una pantalla, generase también la trama GPS-A. En mi caso utilicé un transceptor portátil IC-91, que no tiene la posibilidad de conectarle un micro con GPS incorporado, pero sí que dispone de conector para la transmisión/recepción de datos. En la imagen superior se puede apreciar el IC-91 conectado al GPS, preparados ambos para enviar tramas GPS-A.

[Ir al principio](#)

Montaje

En el montaje se utiliza un receptor GPS [PMB-248](#) de Polstar. El módulo entrega tramas NMEA-183, de las cuales en esta aplicación solo se emplean la **GPRMC** y la **GPGGA**.

Los datos se visualizan en una pantalla [uOLED-128-G1](#) con 128 pixels por 128 líneas, de 4D SYSTEMS. El color y contraste programados en la pantalla para representar las cifras y letras, se ha optimizado para que pueda ser leída en condiciones de alta luminosidad ambiental.

En el receptor GPS solo se utilizan dos conectores, uno es la entrada del cargador de batería y el otro un jack estereo de 3,5 mm para la entrada/salida de datos. También incorpora un pulsador para la selección de las pantallas, y un interruptor de alimentación (SW-1).

Para que el receptor GPS sea totalmente autónomo, se alimenta desde una batería NIMh de 3,6 V y 2.000 mA. Se ha escogido este tipo de batería por su gran capacidad y reducidas dimensiones, lo que hace factible su instalación dentro de la caja. Se utilizan dos convertidores DC/DC de 100mA cada uno para elevar la tensión a 5 V y así poder alimentar los circuitos. Con esta batería, se consigue una autonomía superior a las 10 horas.

Todo el receptor GPS, está alojado en una caja RETEX modelo 101 con unas medidas de 110x60x40 mm. Los detalles para el montaje pueden descargarse clicando en el disco. En esta información se facilita el esquema, el listado de los componentes, su disposición en la placa de circuito impreso, y unas fotografías de ayuda para el montaje.

Adobe Acrobat Professional - [uSmartDigi DCC 2006 Paper v4.pdf]

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Seleccionar 118%

The D-STAR radio configuration is critical to make this gateway function correctly. The **GGA and RMC** NMEA sentences **must** be configured to provide the gateway the required GPS information. Pete Loveall's Message Calculator web page provides input boxes for the user to configure their desired parameters. It then displays the exact strings the user needs to configure into the radio, making it easy to cut and paste into the radio configuration program. Here is a sample:

D-PRS Message Calculator

[Home] [Up] [D-PRS Message Calculator] [D-PRS Symbols] [DStarTNC2.zip]

This page calculates the necessary GPS message for use with D-PRS. Your browser must have JavaScript enabled to use this page.

Note that the symbol code occupies the first four characters of the GPS message (space padded) and that there is a checksum appended to the text preceded by an asterisk.

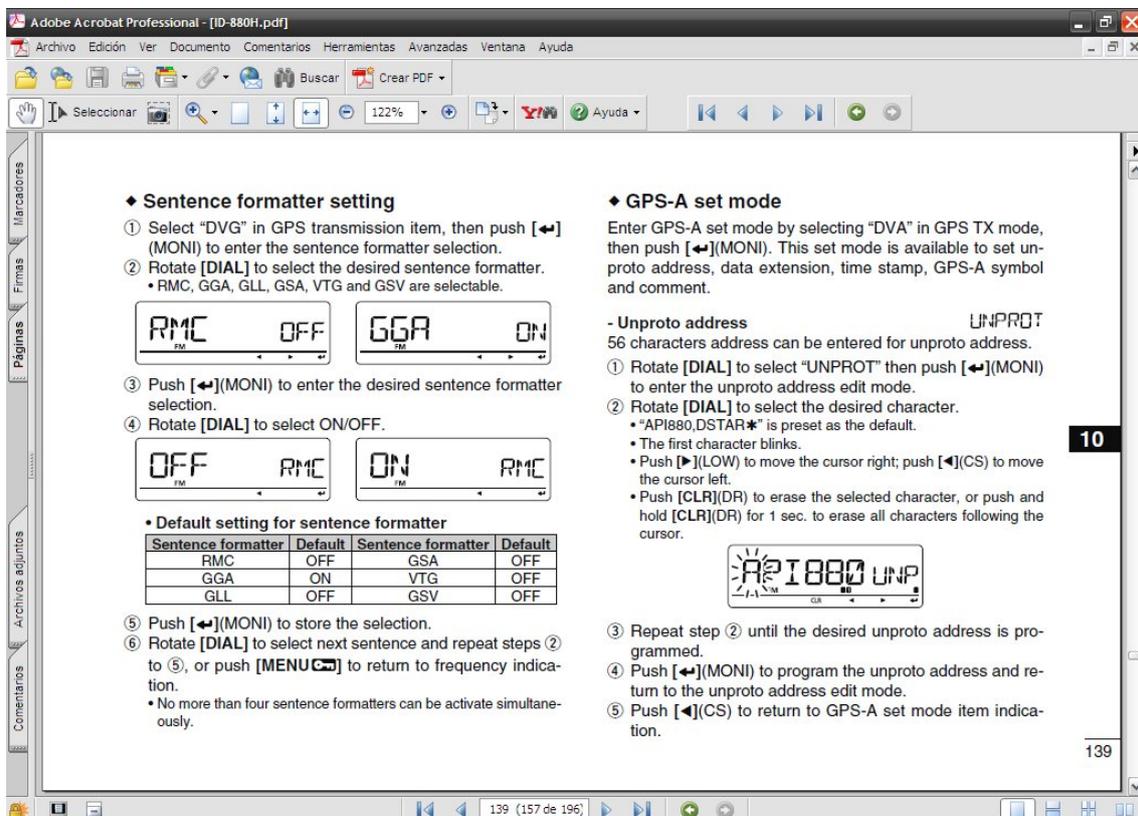
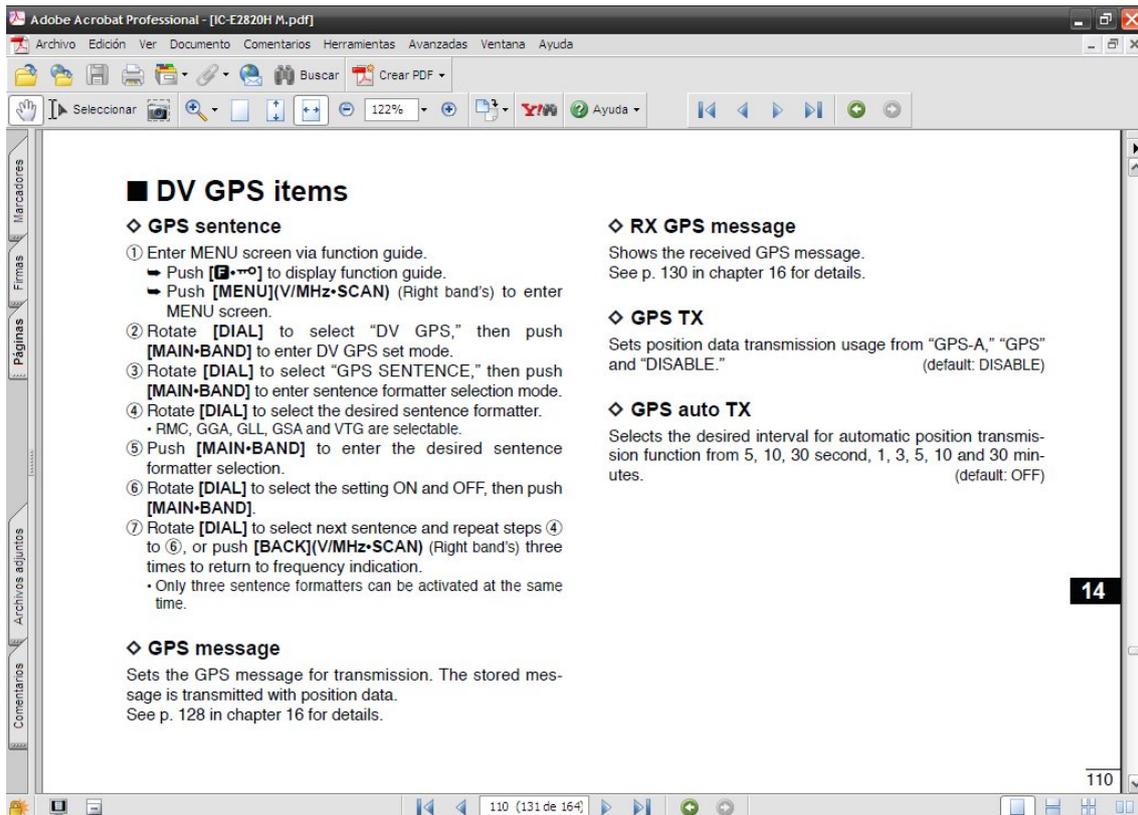
The D-PRS CallSID can be used to look up your station on www.fjfindu.net or www.findu.com

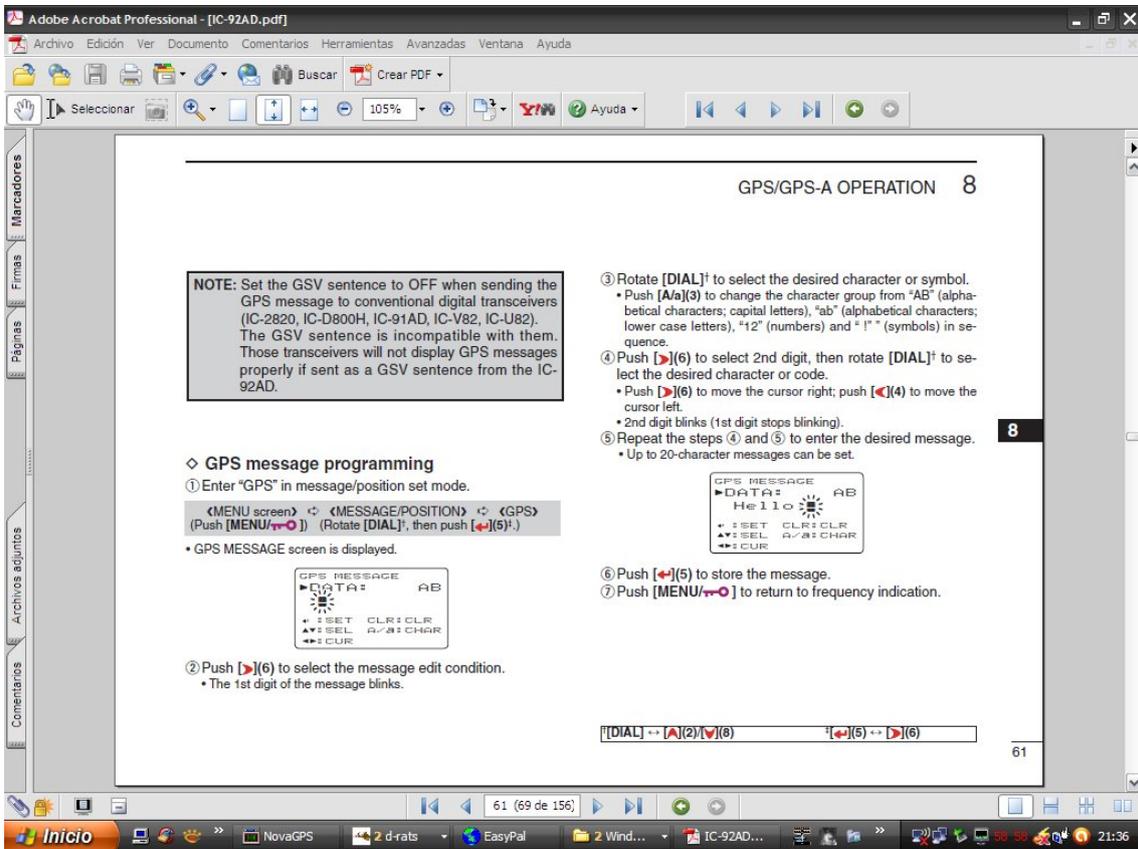
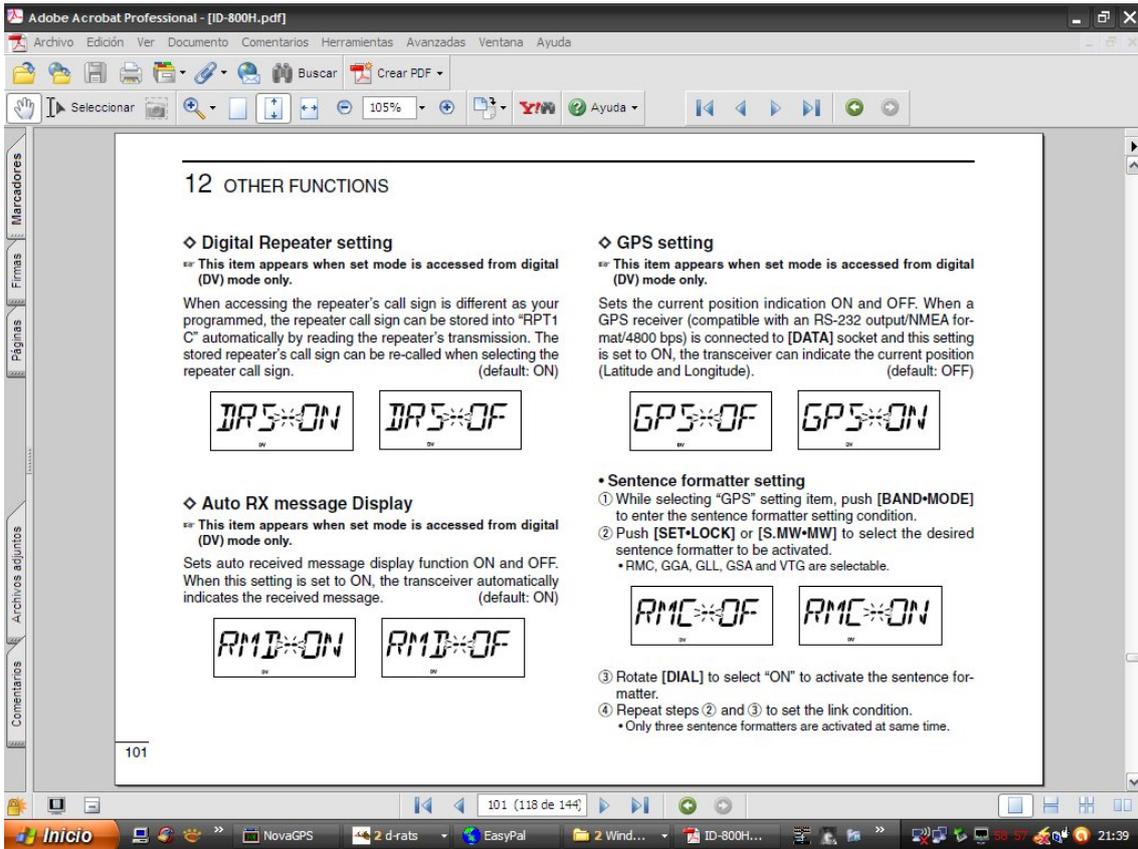
MyCall 8 Char Max Right Space Padded	D-PRS Symbol	GPS Message
AB0VO 9	DIGI (white center) Symbol <input type="text"/> Overlay: <input type="text"/>	D-GATE TEST
D-PRS CallSID: AB0VO-9		Input into TX Message C1: BD D-GATE TEST*71

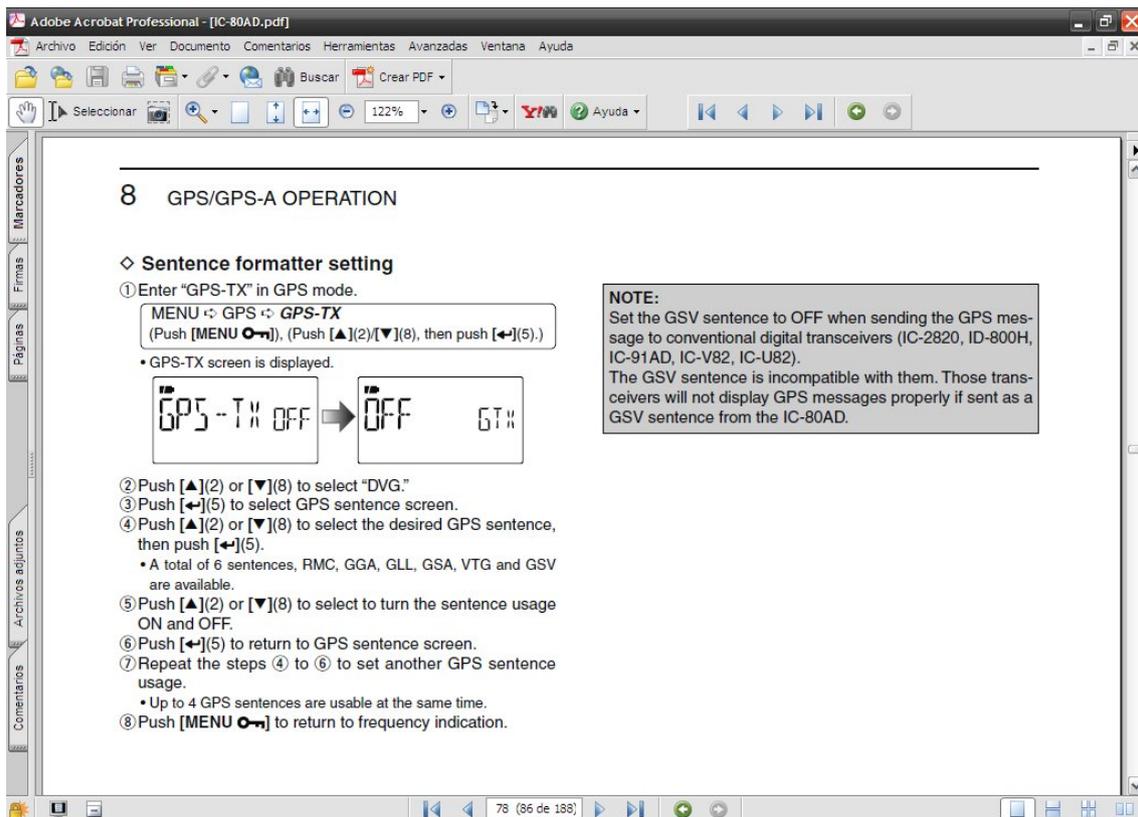
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 Hosted by AMF.Corn

The message format for the APRS RF packet is a third-party type signified with the } character and consists of an information field with a textual source, destination and ! type position format that includes

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Tan difícil será hacerlo bien , con las DOS GPGGA y GPRMC llega para que los datos, que se reflejarán en y por los distintos programas, sean los correctos. El usar más da lugar a errores. GRACIAS.

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Disfunción mental de la estación amiga y hermana, pero no prima EA1AXY.