MA CORS Network Access with Viva

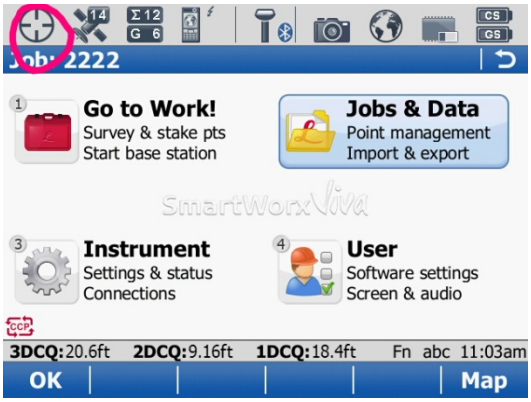
http://64.28.83.186/spiderweb/frmIndex.aspx

Get account setup:

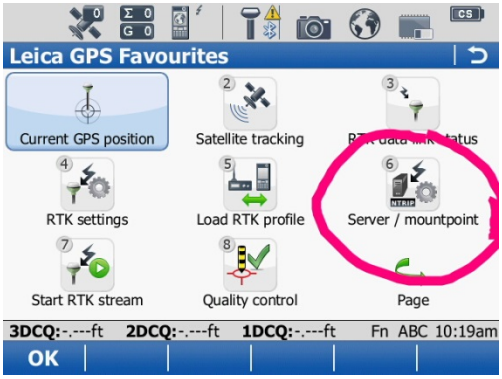
1. Register with user ID and Password
2. Shop for products: RTK Data Products
3. Receive email notification of access

To set up on Viva:

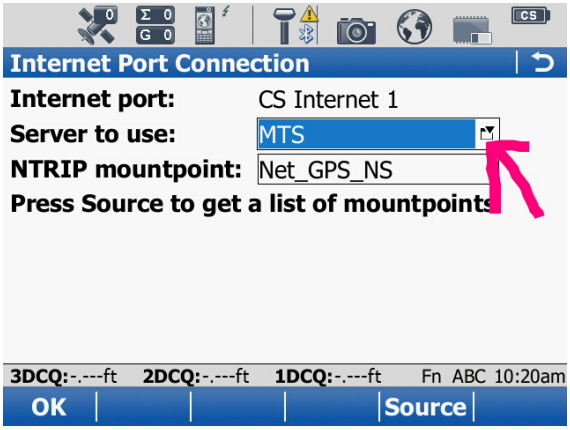
From Main Menu, click on the position icon in the upper left corner:



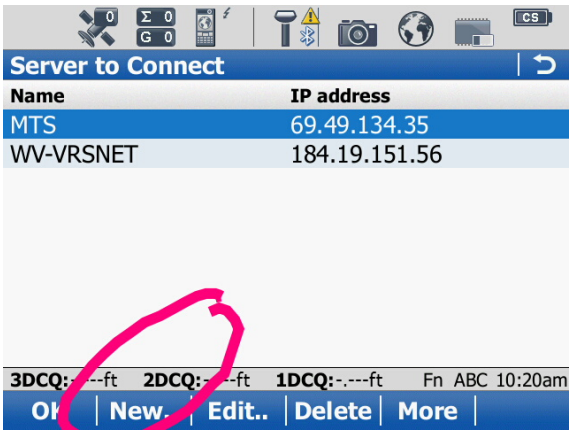
Choose the Server/Mount Icon



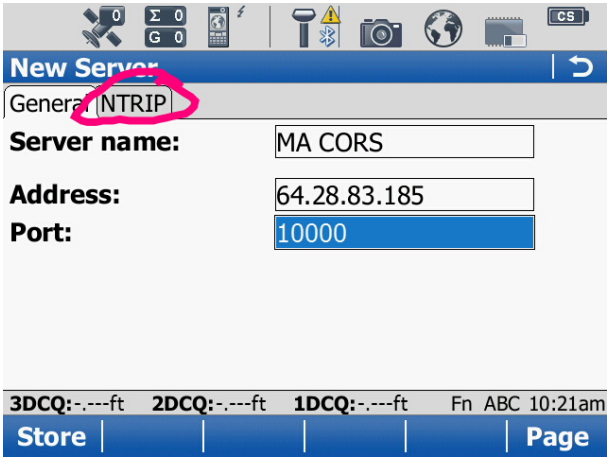
The Server is the Network desired. Press the selection icon for the Server:



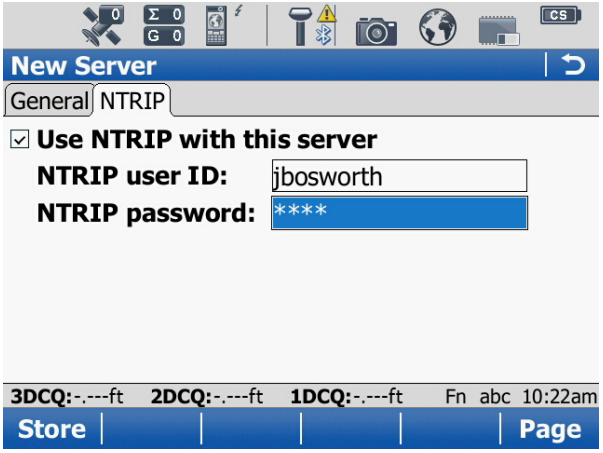
If you do not see the desired network, press F2 New:



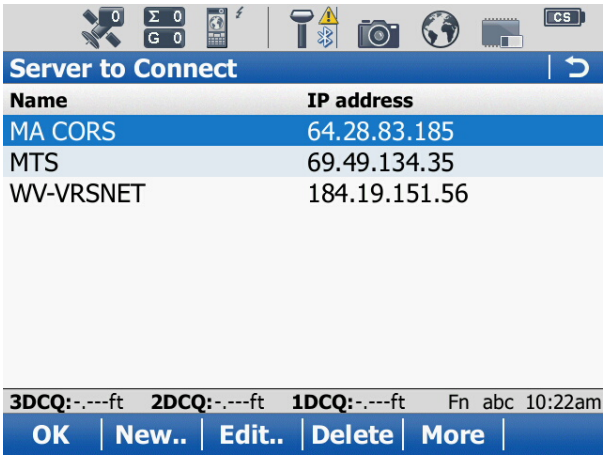
Enter the Name desired and IP address along with data port, then the NTRIP tab:



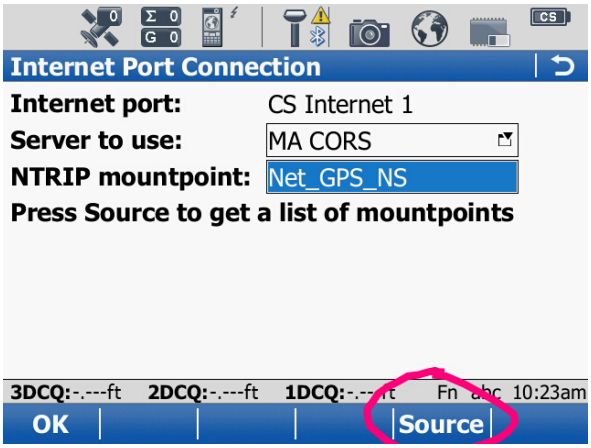
Enter your user ID and password for Network (case sensitive). Then F1 Store



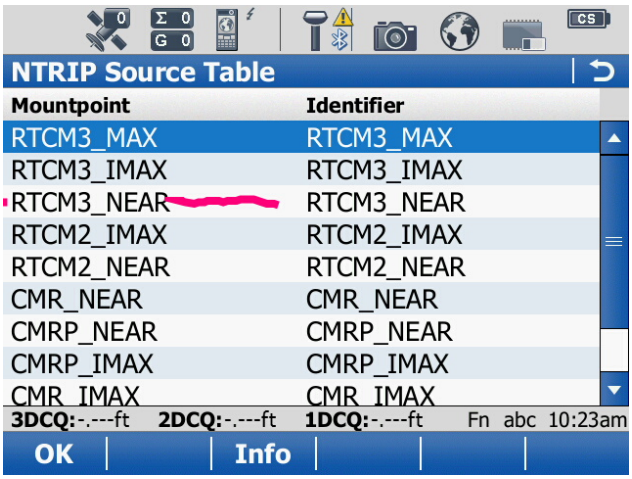
Now you can select MA CORS as network from list



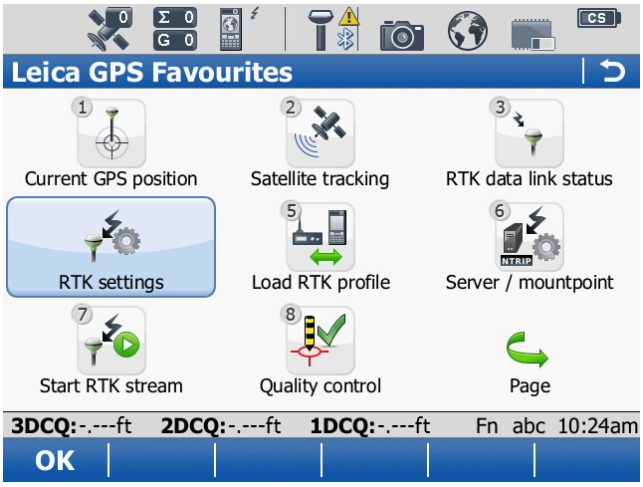
Next you must choose data product (see list from MA CORS site):



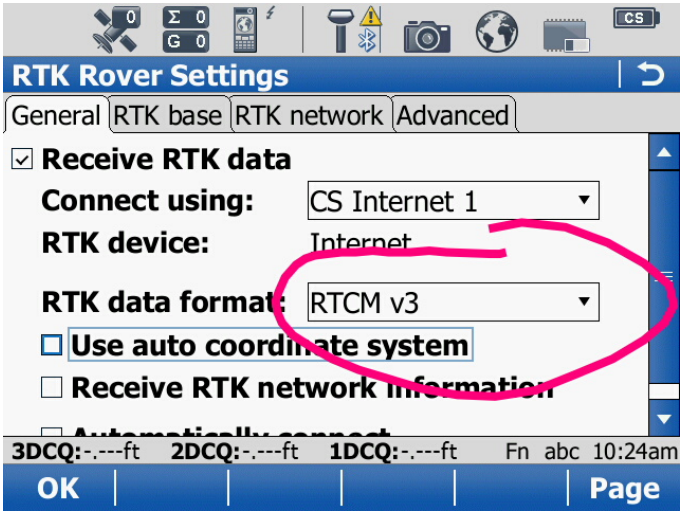
Here are MA CORS data products list, below selection is for Nearest Site RTCM 3.0 which will include Glonass satellites. Press F1 OK after selection



Next press the Position Icon from Main Menu again, then go to RTK Settings:



Ensure you have RTCM 3.0 as data format and press F1 OK



Should be ready to connect to MA Cors network:

MaCORS RTK Data Products

IP Address (for all Products): **64.28.83.185**

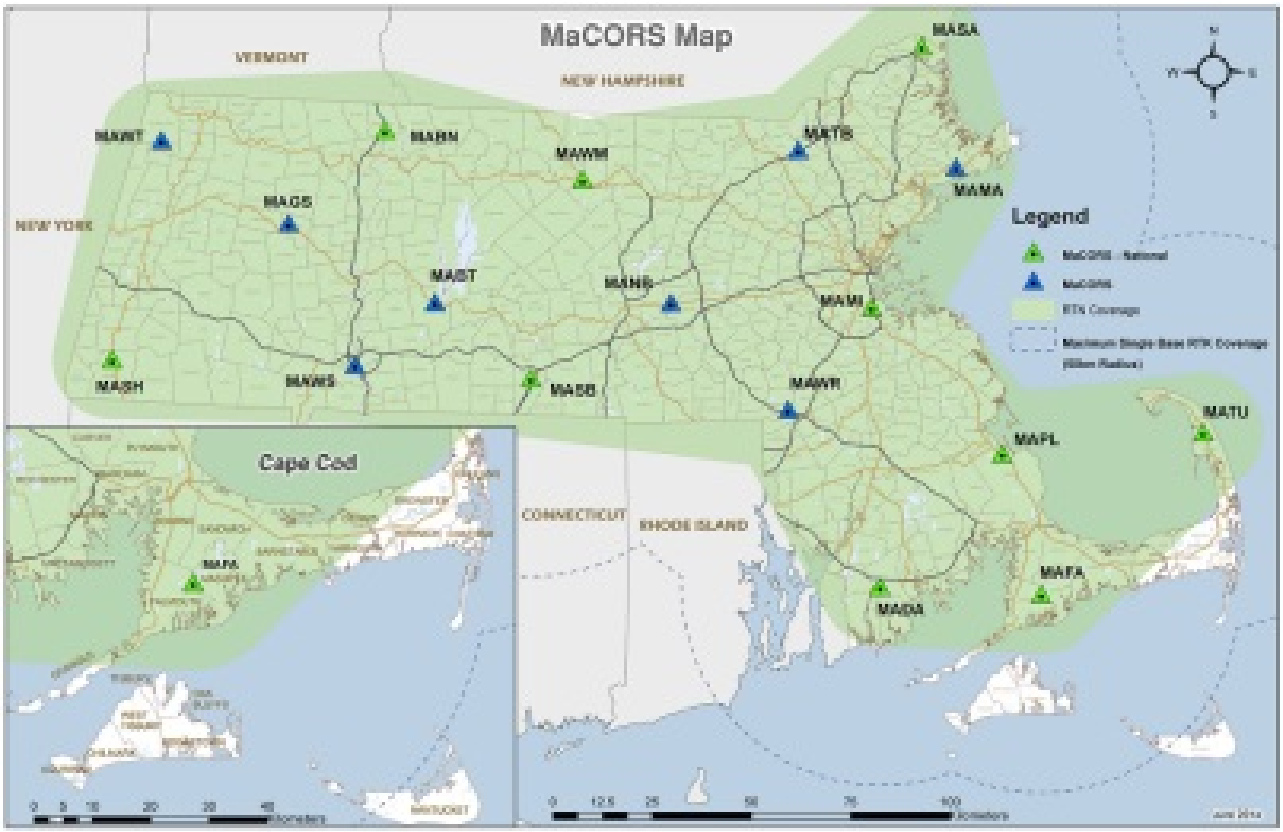
RT Product Name	RT Product Type	Message Type	Connection Type	Connection Port	Mount Point	Network Correction	Glonass Capable
RTCM 3.1 MAC (GNSS)	Automatic cells	MAX RTCM 3.x (Extended;1015;1016)	NTRIP-Client	10000	RTCM3_MAX	Yes	Yes
RTCM 3.1 iMAX (GNSS)	Automatic cells	i-MAX RTCM 3.x (Extended)	NTRIP-Client	10000	RTCM3_IMAX	Yes	Yes
RTCM 2.3 iMAX (GPS)	Automatic cells	i-MAX RTCM 2.x (Type 18;19)	NTRIP-Client	10000	RTCM2_IMAX	Yes	No
RTCM 3.1 Nearest (GNSS)	Nearest site	RTCM 3.x (Extended)	NTRIP-Client	10000	RTCM3_NEAR	No	Yes
RTCM 2.3 Nearest (GPS)	Nearest site	RTCM 2.x (Type 18;19)	NTRIP-Client	10000	RTCM2_NEAR	No	No
TCM 2.3 GIS Nearest iMAX (GPS)	Nearest site	i-MAX RTCM 2.x (Type 9;2)	NTRIP-Client	10000	RTCM2_DGPS_NEAR	No	No
CMR Nearest (GPS)	Nearest site	CMR	NTRIP-Client	10000	CMR_NEAR	No	No
CMR+ Nearest (GPS)	Nearest site	CMR+	NTRIP-Client	10000	CMRP_NEAR	No	No
CMR iMAX (GPS)	Automatic cells	i-MAX CMR	NTRIP-Client	10000	CMR_IMAX	Yes	No
CMR+ iMAX (GPS)	Automatic cells	i-MAX CMR+	NTRIP-Client	10000	CMRP_IMAX	Yes	No
RTCM 2.3 GIS iMAX (GPS)	Automatic cells	i-MAX RTCM 2.x (Type 9;2)	NTRIP-Client	10000	RTCM2_DGPS	Yes	No
TCM 3.1 iMAX (GPS) GPUID	Automatic cells	i-MAX RTCM 3.x (Extended)	TCP/IP	11000		Yes	No
TCM 2.3 iMAX (GPS) GPUID	Automatic cells	i-MAX RTCM 2.x (Type 18;19)	TCP/IP	11001		Yes	No
TCM 2.3 Nearest (GPS) GPUID	Nearest site	RTCM 2.x (Type 18;19)	TCP/IP	11004		No	No
CMR iMAX (GPS) GPUID	Automatic cells	i-MAX CMR	TCP/IP	11003		Yes	No
CMR+ iMAX (GPS) GPUID	Automatic cells	i-MAX CMR+	TCP/IP	11002		Yes	No
CMR Nearest (GPS) GPUID	Nearest site	CMR	TCP/IP	11006		No	No
MR+ Nearest (GPS) GPUID	Nearest site	CMR+	TCP/IP	11005		No	No
RTCM3.1_MAxx(GNSS) *	Single Site	RTCM 3.x (Extended)	NTRIP-Client	31000	RTCM3_MAxx	No	Yes
RTCM2.3_MAxx(GPS) *	Single Site	RTCM 2.x (Extended)	NTRIP-Client	23000	RTCM2_MAxx	No	No
CMR_MAxx(GPS) *	Single Site	CMR	NTRIP-Client	24000	CMR_MAxx	No	No
CMR+_MAxx(GPS) *	Single Site	CMR+	NTRIP-Client	25000	CMRP_MAxx	No	No
TCM3.1_MAxx(GPS) GPUID *	Single Site	RTCM 3.x (Extended)	TCP/IP	311yy		No	No
TCM2.3_MAxx(GPS) GPUID *	Single Site	RTCM 2.x (Type 1;2;18;19)	TCP/IP	231yy		No	No
CMR_MAxx(GPS) GPUID *	Single Site	CMR	TCP/IP	241yy		No	No
CMR+_MAxx(GPS) GPUID *	Single Site	CMR+	TCP/IP	251yy		No	No

OTES:

* = These products are single base corrections. Since they are tied to one base and do not utilize the "Nearest" capability the user will have to manually switch to a new base product if the station they are using goes offline.

x = The last 2 letters of the 4 letter Site ID. MAxx stands for the Site ID, for example Milton is MAMI, and the RTCM3.1(GNSS) mount point would be RTCM3_MAMI. (See MaCORS Reference Station Information and Coordinates List)

y = The Reference Station Number. For example Milton is MAMI, and the connection port for the CMR+_MAMI(GPS) GPUID product on TCP/IP would be 25161. The Reference Station number for Milton is 61. (See MaCORS Reference Station Information and Coordinates List)


MaCORS Map
VERMONT
NEW HAMPSHIRE
NEW YORK
CONNECTICUT
RHODE ISLAND
MASA
MAWT
MABN
MAWM
MATS
MAMA
MAGS
MAST
MAHS
MAMI
MASH
MAWS
MASB
MAWR
MATU
MAFL
MAFA
MADA
Legend
MaCORS - National
MaCORS
RTK Coverage
Maximum Single Base RTK Coverage (60km Radius)
Cape Cod
MAFA
0 5 10 20 30 40 Kilometers
0 12.5 25 50 75 100 Kilometers
June 2014