

1. Locate the Source Code

- could be Generated from RoboDK or Written Manually
 - Code should resemble the following format:
 - **Joint** Angle : MOVEX A=1, AC=0, SM=0, M1J, P,(J1 J2, J3, J4, J5, J6), R= 100, H=1, MS
 - **Pose** Values: MOVEX A=1, AC=0, SM=0, M1X, P, (X, Y, Z, Rot, Rot, Rot), R= 100, H=1, MS
- File Name Format:
 - ST133TF1-A.001
 - -A
 - means this file contains the Source Code
 - 001
 - is the Program Number
 - can be between 1-9999

2. Connect to the Robot via FTP

- **Connect to Netgear Modem**
- FTP Details:
 - IP Address:
 - 192.169.1.110
 - Username:
 - radmin
 - Password:
 - Robotics5508
- e.g. of Softwares:
 - Windows Explorer
 - Similar to an External USB Stick - Just copy and paste as usual.
 -
 - Type in Address Bar:
 - **ftp://192.168.1.110**
 - FileZilla
 - Learn how to use
 - NEVER Double Click
 - Drag and Dropping Files is the BEST Method

3. Transfer File to PROGRAM Folder on Nachi

- Use the FTP to Copy/Paste (Windows Explorer) or Drag/Drop (Filezilla) your Source File to the Destination Path
 - **"/PROGRAM"**

4. Go to

- Navigate with **Up/Down Arrow Keys** then Press **Enter**
- Utility Services (Bottom Left of the Screen) (**F6**)
- Program Conversion (**#9**)
- Language (**#8**)

5. Follow the Steps to Compile the Program:

- Navigate with **Left/Right Arrow Keys** to move to Next Section (Progress to the next Step by Right Arrow Key)
 - Navigate with **Up/Down Arrow Keys** to move within a Section
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 - Section 1: Select **Memory**
 - Section 2: Select **"Source --> EXE"**
 - Section 3: Select "PROGRAM" Folder
 - Section 4: Find and Select your Source Code - Remember the File Name: ST133TF1-A.001
 - Press "Execute" button to Compile (Bottom Right of the Screen) (**F12**)
6. Go back to the Home Screen by Pressing "RESET" button.
7. Press **"SHIFT"** (Green button) + **"PROG/STEP"** button to Select a Program
- In this case "001"
8. To Test/Check your Code
- a. Hold **Dead Man Switch** (at the back of the Teach Pendant) + **"CHECK GO"** to go Forwards Line by Line
 - b. Hold **Dead Man Switch** (at the back of the Teach Pendant) + **"CHECK BACK"** to go Backwards Line by Line
 - c. Note: You have reached your desired Pose/Joint Angles when the Line changes colour to **Yellow**
9. To Run your Code follow the instructions in "Safety Procedures for Nachi Robot"