NexStar Cabling Summary Diagram (version 1.1, January 2009) **Personal Computer** Available on the NexStar Resource Site: http://www.NexStarSite.com **NexStar Telescope** Motor (not **MCupdate** handheld) PC Serial Port Motor Control Firmware (There are a number of generations of NexStar Firmware DB DB download telescopes. Some models may not have all these update program 9F 9M Optional from Celestron ports. See the NexStar site for information on each.) Programming OR Cable (#93922) OR PC USB Port NO DB [B] USB USB NexStar 9M PC Interface Port NexRemote NexStar 8 8 Conductor **Hand Controller** (When used without Observer Lists RS-232 the NexStar Hand 3rd party Serial-To-USB download from This port is designed Adapter cable Controller) NexStar Site Auto Guider **∢**-∰ OR for connecting a Connection Port **NexGPS** standard autoguider. 6 Conductor (for non-GPS Game **NexStar Hand Controller** Auxiliary Port 1 scopes) Port USB to RS232 6 Conductor [D] Converter CD TTL Must use NexRemote (driver) Auxiliary Port 2 **▲**指 to perform the G (available at many Logitec Wireless 6 Conductor Only versions 4 and telescope alignment telescope dealers Ρ Game Controller TTL later allow Hand and computer S * Controller software Hand Controller Port stores for PCs reprogramming. 6 Conductor without an available (on Base or Fork Arm) 6 - 6 serial port) PC Serial Port TTL Optional **HCupdate** Handheld Hand Hand Controller Firmware Power Out DB $\overline{\oplus}$ Controller DB Firmware download 12 VDC extension 9F RS-232 cable 9M update program from Celestron Power In cable Hand\ (#93920)12 VDC Controller OR 4 conductor PC USB Port Other Telescope RS-232 DB [F] DB DB [G] [B] Control Software 4 iack USB USB 9M 9M 9F To 110 VAC Power Module, or (e.g. The Sky) P Adapter, Car Battery #18769 3rd party Serial-To-USB Adapter cable NexRemote NexStar (When used with the Observer Lists **PDA** NexStar Hand download from PC Interface Port (In addition to the Controller) NexStar Site 8 Conductor RS232 cable [F], USB to RS232 RS-232 PDAs require a **NexGPS** Converter CD To AUX Port Auxiliary Port 1 serial "sync" cable (for non-GPS (driver) 6 Conductor Game or a serial port CF scopes) Port (See the NexStar Resource card [G].) Auxiliary Port 2 site for information on other 6 Conductor port converters for different TTL Note: Other 3rd party PC / PDA software is available that Must use Must use the NexStar scopes.) Logitec Wireless provides additional NexStar functionality or allows the Auxiliary Port Accessory Kit NexRemote. Hand Controller Game Controller telescope to be controlled remotely. (part number 93965) not the Hand to perform the See the NexStar Resource site for further information. Controller to telescope perform the alignment then [A] - [P] simple cable reference designations telescope use (or switch to) Diagram by: Larry McNish the RS-232 input alignment. for the control Don't touch the software in the hand controller PC to locate when objects etc. when NexRemote using other scope is in control. software.