

Chapter 9 Compatibility with MASTER-K (Special Relay)

| MASTER-K | | Symbol | XGB | |
|------------------|------------------------|----------------|------------------|--|
| Device | Function | | Device | Function |
| F0000 | RUN mode | _RUN | F0000 | RUN Edit mode |
| F0001 | Program mode | _STOP | F0001 | Program mode |
| F0002 | Pause mode | _ERROR | F0002 | Error mode |
| F0003 | Debug mode | _DEBUG | F0003 | Debug mode |
| F0004 | N/A | _LOCAL_CON | F0006 | Remote mode |
| F0005 | N/A | _MODBUS_CON | F0006 | Remote mode |
| F0006 | Remote mode | _REMOTE_CON | F0006 | Remote mode |
| F0007 | User memory setup | - | F0007 | N/A |
| F0008 | N/A | _RUN_EDIT_ST | F0008 | Editing during RUN |
| F0009 | N/A | _RUN_EDIT_CHK | F0009 | Editing during RUN |
| F000A | User memory operation | _RUN_EDIT_DONE | F000A | Edit done during RUN |
| F000B | N/A | _RUN_EDIT_END | F000B | Edit end during RUN |
| F000C | N/A | _CMOD_KEY | F000C | Operation mode change by KEY |
| F000D | N/A | _CMOD_LPADT | F000D | Operation mode change by PADT |
| F000E | N/A | _CMOD_RPADT | F000E | Operation mode change by Remote PADT |
| F000F | STOP command execution | _CMOD_RLINK | F000F | Operation mode change cause by remote communication module |
| F0010 | Ordinary time On | _FORCE_IN | F0010 | Forced input |
| F0011 | Ordinary time Off | _FORCE_OUT | F0011 | Forced output |
| F0012 | 1 Scan On | _SKIP_ON | F0012 | I/O Skip execution |
| F0013 | 1 Scan Off | _EMASK_ON | F0013 | Error mask execution |
| F0014 | Reversal every Scan | _MON_ON | F0014 | Monitor execution |
| F0015 ~ F001C | N/A | _USTOP_ON | F0015 | Stop by Stop Function |
| | | _ESTOP_ON | F0016 | Stop by ESTOP Function |
| | | _CONPILE_MODE | F0017 | Compile |
| | | _INIT_RUN | F0018 | Initialize |
| | | - | F0019 ~ F001F | N/A |
| | | _PB1 | F001C | Program Code 1 |
| F001D | N/A | _PB2 | F001D | Program Code 2 |
| F001E | N/A | _CB1 | F001E | Compile code 1 |
| F001F | N/A | _CB2 | F001F | Compile code 2 |

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| Device | Function | | Device | Function |
| F0020 | 1 Step RUN | _CPU_ER | F0020 | CPU configuration error |
| F0021 | Break Point RUN | _IO_TYER | F0021 | Module type mismatch error |
| F0022 | Scan RUN | _IO_DEER | F0022 | Module detach error |
| F0023 | Contact value match RUN | _FUSE_ER | F0023 | Fuse cutoff error |
| F0024 | Word value match RUN | _IO_RWER | F0024 | I/O module read/write error |
| F0025 ~ F002F | N/A | _IP_IFER | F0025 | Special/communication module interface error |
| | | _ANNUM_ER | F0026 | Critical error detection of external equipment error |
| | | - | F0027 | N/A |
| | | _BPRM_ER | F0028 | Basic parameter error |
| | | _IOPRM_ER | F0029 | I/O configuration parameter error |
| | | _SPPRM_ER | F002A | Special module parameter error |
| | | _CPPRM_ER | F002B | Communication module parameter error |
| | | _PGM_ER | F002C | Program error |
| | | _CODE_ER | F002D | Program Code error |
| | | _SWDT_ER | F002E | System watchdog error |
| | | _BASE_POWER_ER | F002F | Base power error |
| F0030 | Heavy error | _WDT_ER | F0030 | Scan watchdog |
| F0031 | Light error | - | F0031 | - |
| F0032 | WDT error | - | F0032 | - |
| F0033 | I/O combination error | - | F0033 | - |
| F0034 | Battery voltage error | - | F0034 | - |
| F0035 | Fuse error | - | F0035 | - |
| F0036 ~ F0038 | N/A | - | F0036 ~ F0038 | - |
| F0039 | Backup normal | - | F0039 | - |
| F003A | Clock data error | - | F003A | - |
| F003B | Program change | - | F003B | - |
| F003C | Program change error | - | F003C | - |
| F003D ~ F003F | N/A | - | F003D ~ F003F | N/A |
| F0040~ F005F | N/A | _RTC_ER | F0040 | RTC data error |
| | | _DBCK_ER | F0041 | Data backup error |
| | | _HBCK_ER | F0042 | Hot restart disabled error |
| | | _ABSD_ER | F0043 | Abnormal operation stop |
| | | _TASK_ER | F0044 | Task collision |
| | | _BAT_ER | F0045 | Battery error |
| | | _ANNUM_ER | F0046 | Light error detection of external equipment |

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| Device | Function | | Device | Function |
| F0040 ~ F005F | N/A | _LOG_FULL | F0047 | Log memory full warning |
| | | _HS_WAR1 | F0048 | High speed link parameter 1 error |
| | | _HS_WAR2 | F0049 | High speed link parameter 2 error |
| | | - | F004A ~ F0053 | N/A |
| | | _P2P_WAR1 | F0054 | P2P parameter 1 error |
| | | _P2P_WAR2 | F0055 | P2P parameter 2 error |
| | | _P2P_WAR3 | F0056 | P2P parameter 3 error |
| | | - | F0057 ~ F005B | N/A |
| | | _Constant_ER | F005C | Constant error |
| - | F005D ~ F005F | N/A | | |
| F0060 ~ F006F | Error Code save | - | F0060 ~ F006F | N/A |
| F0070 ~ F008F | Fuse cutoff save | - | F0070 ~ F008F | N/A |
| F0090 | 20ms cycle Clock | _T20MS | F0090 | 20ms cycle Clock |
| F0091 | 100ms cycle Clock | _T100MS | F0091 | 100ms cycle Clock |
| F0092 | 200ms cycle Clock | _T200MS | F0092 | 200ms cycle Clock |
| F0093 | 1s cycle Clock | _T1S | F0093 | 1s cycle Clock |
| F0094 | 2s cycle Clock | _T2S | F0094 | 2s cycle Clock |
| F0095 | 10s cycle Clock | _T10S | F0095 | 10s cycle Clock |
| F0096 | 20s cycle Clock | _T20S | F0096 | 20s cycle Clock |
| F0097 | 60s cycle Clock | _T60S | F0097 | 60s cycle Clock |
| F0098 ~F009F | N/A | - | F0098 | N/A |
| | | _ON | F0099 | Ordinary time On |
| | | _OFF | F009A | Ordinary time Off |
| | | _1ON | F009B | 1 Scan On |
| | | _1OFF | F009C | 1 Scan Off |
| | | _STOG | F009D | Reversal every Scan |
| - | F009B ~ F009F | N/A | | |
| F0100 | User Clock 0 | - | F0100 | User Clock 0 |
| F0101 | User Clock 1 | - | F0101 | User Clock 1 |
| F0102 | User Clock 2 | - | F0102 | User Clock 2 |
| F0103 | User Clock 3 | - | F0103 | User Clock 3 |
| F0104 | User Clock 4 | - | F0104 | User Clock 4 |
| F0105 | User Clock 5 | - | F0105 | User Clock 5 |
| F0106 | User Clock 6 | - | F0106 | User Clock 6 |
| F0107 | User Clock 7 | - | F0107 | User Clock 7 |

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| Device | Function | | Device | Function |
| F0108 ~ F010F | | - | F0108 ~ F010F | N/A |
| F0110 | Operation error flag | _Ler | F0110 | Operation error flag |
| F0111 | Zero flag | _Zero | F0111 | Zero flag |
| F0112 | Carry flag | _Carry | F0112 | Carry flag |
| F0113 | Full output Off | _All_Off | F0113 | Full output Off |
| F0114 | Common RAM R/W error | - | F0114 | N/A |
| F0115 | Operation error flag (latch) | _Ler_Latch | F0115 | Operation error flag(latch) |
| F0116 ~ F011F | | - | F0116 ~ F011F | N/A |
| F0120 | LT flag | _LT | F0120 | LT flag |
| F0121 | LTE flag | _LTE | F0121 | LTE flag |
| F0122 | EQU flag | _EQU | F0122 | EQU flag |
| F0123 | GT flag | _GT | F0123 | GT flag |
| F0124 | GTE flag | _GTE | F0124 | GTE flag |
| F0125 | NEQ flag | _NEQ | F0125 | NEQ flag |
| F0126 ~ F012F | N/A | - | F0126 ~ F012F | N/A |
| F0130~ F013F | AC Down Count | _AC_F_CNT | F0130~ F013F | AC Down Count |
| F0140~ F014F | FALS no. | _FALS_NUM | F0140~ F014F | FALS no. |
| F0150~ F015F | PUT/GET error flag | _PUTGET_ERR | F0150~ F030F | PUT/GET error flag |
| | | CPU TYPE | F0440 ~ F044F | CPU TYPE |
| | | CPU VERSION | F0450 ~ F045F | CPU VERSION |
| | | OS version no. | F0460 ~ F047F | System OS version no. |
| F0160~ F049F | N/A | OS date | F0480 ~ F049F | System OS DATE |

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Note

1. When you convert the project written by KGLWIN in MASTER-K series (K80S, K200S, K300S, and K1000S) into XG5000 project, some instructions used in only MASTER-K is not converted. And the previous parameter used in MASTER-K is converted into default value.
2. XGB economy type project can be converted into XGB standard type project but parameter is converted into default value.
3. When you convert the XGB standard type project into XGB economy type project, some instructions used in only XGB standard type is not converted. And the parameter is converted into default value.