User Options List

- 1: 12/24
  o 12 (default)
  o 24

- 2: Leading zero blanking
  o 0: Disable (default)
  o 1: Enable

- 3: Digit Crossfading
  o 0: No crossfading (default)
  o 1: Crossfading

- 4: Digit Crossfading duration
  o 0-10, 0=fast fade, 10=slow fade (default 3)

- 5: Blinking Colons
  o 0: Colons always off.
  o 1: Colons always on.
  o 2: Blink at S Hz (default).
  o 3: Blink at 1 Hz.
  o 4: Wink (25% duty) at S Hz.
  o 5: Wink (25% duty) at 1 Hz.
  o 6: Wink (75% duty) at S Hz.
  o 7: Wink (75% duty) at 1 Hz.
  o 8: AM/PM indicator, AM=colons
  o 9: AM/PM indicator, PM=colons

- 6: Blinking Colons during date display
  o 0: As specified by #5. (default).
  o 1: Always off
  o 2: Always on

- 7: Date Format
  o 1: Month | Day | Year (default).
  o 2: Year | Month | Day.
  o 3: Day | Month | Year.

- 8: Date display, every x seconds.
  o 0-60 seconds (0 disable, default).

- 9: Date display, duration in seconds.
  o 1-10 seconds (2 default).

- 10: Digit Cycling
  o 0: No cycling takes place (default).
  o 1: 0-9 cycle at Midnight.
  o 2: 0-9 cycle at the top of every hour.
  o 3: Slots, every minute, random cycling
  o 4: Slots, every minute, incremental cycling
  o 5: Slots, every minute, wave cycling
  o 6: Slots, every minute, peek-aboo

- 11: Slot stop
  o 1: Left to right (default)
  o 2: Right to left
  o 3: All at once
  o 4: Random

- 12: Slot speed
  o 0-104: 0 slowest, 100 fastest (default 97)
  o 101: Start fast, slow down (w/blur)
  o 102: Start fast, slow down (no blur)
  o 103: Start slow, go faster (w/blur)
  o 104: Start slow, go faster (no blur)

- 13: Default brightness
  o 10-100 (in percent, default 100%)

- 14: Scrolling display
  o 0: Disable (default).
  o 1: Enable (HHMMSS)
  o 2: Enable (HHMM)
  o 3: Enable date display only

- 15: Scrolling Speed
  o 1-30: 1 slow… 30 fast (default 22)

- 16: Cathode Poisoning Prevention:
  o 0: Disable (default).
  o 1: Enable.
  o 2: Enable (override brightness setting, run at full brightness).
  o 3: Enable (override brightness setting, run at 50% brightness).

- 17: Cathode Poisoning Prevention start hour:
  o 0-23 (default 3)

- 18: Cathode Poisoning Prevention, duration hours:
  o 1-24 (default 1)

- 19: Current day of week:
  o 1-7: 1=Sunday…7=Saturday

- 20: Timed Dim 1, Brightness
  o 0-100 (in percent, default 50%)

- 21: Timed Dim 1, start day
  o 0-7: default 0 (all days),
  1=Sunday…7=Saturday

- 22: Timed Dim 1, duration in days
  o 1-7 (default 7), no effect if start day is 0

- 23: Timed Dim 1, start hour:
  o 0-23 (default 0)

- 24: Timed Dim 1, Duration in hours:
  o 0-24 (default 0)

- 25: Timed Dim 2, Brightness
  o 0-100 (in percent, default 50%)

- 26: Timed Dim 2, start day
  o 0-7: default 0 (all days),
  1=Sunday…7=Saturday

- 27: Timed Dim 2, duration in days
  o 1-7 (default 7), no effect if start day is 0

- 28: Timed Dim 2, start hour:
  o 0-23 (default 0)

- 29: Timed Dim 2, Duration in hours:
  o 0-24 (default 0)

- 30: Timed Dim 3, Brightness
  o 0-100 (in percent, default 50%)

- 31: Timed Dim 3, start day
  o 0-7: default 0 (all days),
  1=Sunday…7=Saturday

- 32: Timed Dim 3, duration in days
  o 1-7 (default 7), no effect if start day is 0

- 33: Timed Dim 3, start hour:
  o 0-23 (default 0)

- 34: Timed Dim 3, Duration in hours:
  o 0-24 (default 0)

- 35: Timed Dim 4, Brightness
  o 0-100 (in percent, default 50%)

- 36: Timed Dim 4, start day
  o 0-7: default 0 (all days),
  1=Sunday…7=Saturday

- 37: Timed Dim 4, duration in days
  o 1-7 (default 7), no effect if start day is 0

- 38: Timed Dim 4, start hour:
  o 0-23 (default 0)

- 39: Timed Dim 4, Duration in hours:
  o 0-24 (default 0)

- 40: Daylight Saving Time:
  o 0: Disable (default).
  o 1: Enable.

- 41: Daylight Saving Time Status:
  o 0: Winter time, Daylight Saving not in effect.
  o 1: Summer time, Daylight Saving in effect.

- 42: Spring ahead hour:
  o 0-23 (default 2).

- 43: Spring ahead day:
  o 1-31 (default 1).

- 44: Spring ahead week:
  o 0-5 (default 1).

- 45: Spring ahead month:
  o 1-12 (default 4).

- 46: Fall back hour:
  o 0-23 (default 2).

- 47: Fall back day:
  o 1-31 (default 1).

- 48: Fall back week:
  o 0-5 (default 5).

- 49: Fall back month:
  o 1-12 (default 10).

- 50: Software Time correction
  o ~99.99 to +99.99 (default ~2.57)

- 51: PWM frequency adjustment
  o 3-20 (default 9)
  o 3=high refresh, ~1400 Hz
  o 9=medium, ~600 Hz
  o 20=slow, ~300 Hz

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