A320 neo (Asobo and A32nx) , **bold also confirmed for 747,**blue additional for A32nx, green additional for B747

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|  | **New State after activation / ON** |  | **Old State / OFF** |  |
| **LS Button** | [LocalVars.0] BTN\_LS\_FILTER\_ACTIVE=1 BTN\_LS\_1\_FILTER\_ACTIVE=1 | ON  \_1 for PFD1 | [LocalVars.0] BTN\_LS\_FILTER\_ACTIVE=0 BTN\_LS\_1\_FILTER\_ACTIVE=1 | OFF |
| **Terrain on ND Button** | [LocalVars.0] BTN\_TERRONND\_ACTIVE=1 BTN\_TERRONND\_1\_ACTIVE=1 | ON  \_1 for ND1 | [LocalVars.0] BTN\_TERRONND\_ACTIVE=0 BTN\_TERRONND\_1\_ACTIVE=0 | OFF |
| **WXR on ND Button** | [LocalVars.0]  BTN\_WX\_ACTIVE=1 | ON | [LocalVars.0]  BTN\_WX\_ACTIVE=0 | OFF |
| **ND Range A320** | [LocalVars.0] A320\_Neo\_MFD\_Range=1 A320\_Neo\_MFD\_Range\_1=1 | 20 NM  \_1 for ND1 | [LocalVars.0] A320\_Neo\_MFD\_Range=0 A320\_Neo\_MFD\_Range\_1=0 | 10 NM |
| ND Range B747 | [LocalVars.0] B747\_8\_MFD\_Range=**X** *X equals {3..7} for 2 / 5/ 10/ 20/ 40 NM* |  |  |  |
| **ND Constr Button** | [LocalVars.0] BTN\_CSTR\_FILTER\_ACTIVE=1 BTN\_CSTR\_1\_FILTER\_ACTIVE=1 | On  \_1 for ND1 | [LocalVars.0] BTN\_CSTR\_FILTER\_ACTIVE=0 BTN\_CSTR\_1\_FILTER\_ACTIVE=1 | Off |
|  |  |  |  |  |
| SpeedSel Entered | [LocalVars.0] A320\_FCU\_SHOW\_SELECTED\_SPEED=1 [AutoPilot.0]  AirspeedValue=145 | Enter 145 | [LocalVars.0] A320\_FCU\_SHOW\_SELECTED\_SPEED=0 [AutoPilot.0]  AirspeedValue=*current* *value* | Off |
| **ATHR**  **arm** | [AutoPilot.0]  AirspeedHold=True AutoThrottleArm=True AirspeedValue=*current* *value*  [LocalVars.0]  XMLVAR\_AUTO\_THROTTLE\_ARM\_0\_STATE=1  AP\_SPD\_ACTIVE=1 | Arm   Does not work initially with B747. Press FL CH to activate | [AutoPilot.0]  AirspeedHold=False AutoThrottleArm=False | Off |
| **SpeedSel**  **Engage** | [AutoPilot.0] AirspeedValue=145  SpeedSlotIndex=1 | Engage | [AutoPilot.0] AirspeedValue=*current* *value* SpeedSlotIndex=2 |  |
| Autobrake Level A320 | [LocalVars.0] XMLVAR\_Autobrakes\_Level=2 XMLVAR\_RTO\_Level=0  [Systems.0]  Autobrakes=3 | Med | [LocalVars.0] XMLVAR\_Autobrakes\_Level=1  [Systems.0]  Autobrakes=2 | Low |
| Autobrake Level B747 | [LocalVars.0] XMLVAR\_Autobrakes\_Level=0  XMLVar\_Autobrake\_Disarm=1 [Systems.0]  Autobrakes=3 Autobrakes=4 Autobrakes=5 | Level 2 Level 3 Level 4 | [LocalVars.0] XMLVAR\_Autobrakes\_Level=0  XMLVar\_Autobrake\_Disarm=0 [Systems.0]  Autobrakes=1 | Disarm |
| **AntiSkid** | [Controls.0]  AntiSkidActive=True | ON | [Controls.0]  AntiSkidActive=False | OFF |
| APPR Mode | [AutoPilot.0]  HeadingLock=False  GlideslopeHold=True  ApproachHold=True | ON | [AutoPilot.0]  HeadingLock=True  GlideslopeHold=False  ApproachHold=False | OFF |
| **Gear** | GearsHandle=000.01  Gear1=100.00  Gear2=100.00  Gear3=100.00 | Down | GearsHandle=000.00  Gear1=000.00  Gear2=000.00  Gear3=000.00 | Up |
| **SpdBrk**  **armed** | [Controls.0]  SpoilersArmed=True |  | [Controls.0]  SpoilersArmed=False |  |

blue additional for A32nx, Green additional for B747

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| **Additional A32nx Settings to have NAV with A32nx without error** | [LocalVars.0]  A32NX\_INITIAL\_FLIGHT\_PHASE=5  A32NX\_FWC\_SKIP\_STARTUP=1  A32NX\_ADIRS\_PFD\_ALIGNED\_FIRST=1  GPSPrimaryAcknowledged=0  GPSPrimary=1  A32NX\_GPS\_PRIMARY\_LOST\_MSG=0  A32NX\_ADIRS\_TIMER\_1=0  A32NX\_ADIRS\_TIMER\_2=0  A32NX\_ADIRS\_TIMER\_3=0  A320\_Neo\_ADIRS\_TIME=0  A320\_Neo\_ADIRS\_IN\_ALIGN=0  A32NX\_ADIRS\_PFD\_ALIGNED\_ATT=1 | <- Not too sure this is needed or what it does <- Not too sure this is needed or what it does 🡨 GPS and Adirs are neccessary to prevent black Screen with A32nx |  |  |
| **Additional B747 Settings to make Nav work** | [LocalVars.0]  GPS\_Current\_Phase=0  PFD\_BRG1\_Source=0  PFD\_BRG2\_Source=0  Glasscockpit\_DmeSource=1 | <- Not too sure this is needed or what it does |  |  |

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|  | A320/A32nx |  | B747 |  |
| Flaps Settings | [Controls.0]  FlapsHandle=*VAL*  LeftFlap=*VAL*  RightFlap=*VAL*  *VAL* equals  100.00  075.00  050.00  025.00  000.00 | Full  Landing Flaps 2 Flaps 1 no Flaps | [Controls.0] FlapsHandle=*VAL*  LeftFlap=*VAL*  RightFlap=*VAL*  *VAL* equals  100.00  083.33  066.67  050.00  033.00  016.66  000.00 | Flaps 30  Flaps 25  Flaps 20  Flaps 10  Flaps 5 Flaps 2 no Flaps |

blue additional for A32nx, Green [additional] for B747

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| *Wing Heat* Eng1+2 Heat  Windshield +Probe Heat | [Switches.0]  PitotHeat\_EX1=1  WindshieldDeice=1  [Electrical.0]  circuit.7=True,1.00  [Systems.0]  *StructuralDeiceSwitch=True*  *StructuralDeiceSwitch\_EX1=1* [Engine Parameters.**N**.0] CarbHeat/DeiceSwitch=True [LocalVars.0]  *XMLVAR\_DeiceAirFrame\_Auto=X* | ON  Electrical not needed  Eng Auto = On  Wing: X=  1: Auto, 0: On | [Switches.0] PitotHeat\_EX1=2  WindshieldDeice=2 [Electrical.0]  circuit.7=False,1.00 [Systems.0]  StructuralDeiceSwitch=False  StructuralDeiceSwitch\_EX1=0 [Engine Parameters.N.0] CarbHeat/DeiceSwitch=False [LocalVars.0]  *XMLVAR\_DeiceAirFrame\_Auto=0* | OFF  Electrical not needed |
| Wipers A320 | [Electrical.0]  circuit.77=True,0.75  circuit.80=True,0.75 | Asobo: 77 = L +R A32nx:  77 = L  80 = R  settings not always reckognised | [Electrical.0]  circuit.77=False,1.00  circuit.80=False,1.00 |  |
| Wipers B747 | [Electrical.0] circuit.111=True,**VAL**  VAL equals  0.30  0.75 1.00 | ON  Intermittent Low Hi | [Electrical.0] circuit.111=False,1.00 | OFF |
| Payload A320 | [FuelSystem.0]  Tank.1=0  Tank.2=0.21913838386535644531  Tank.3=0.21913877129554748535  Tank.4=1  Tank.5=1  [Payload.0]  PayloadList= 200.0, 200.0,2300.8,18300.8,16300.8,16300.8 | Payload 67%  low Fuel  CG = 26.x | [FuelSystem.0]  Tank.1=0  Tank.2=0.83710128068923950195  Tank.3=0.83710759878158569336  Tank.4=1  Tank.5=1  [Payload.0]  PayloadList= 170.0, 170.0,6115.0,3505.0,4000.0,6310.0 | Payload Default Fuel default CG = 26.x |

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| A320 |  |  |  |  |
| AP1 ON | [LocalVars.0] XMLVAR\_Autopilot\_1\_Status=1 A320\_FCU\_SHOW\_SELECTED\_HEADING=1 A320\_NE0\_FCU\_STATE=0  [AutoPilot.0]  MasterSwitch=True AirspeedHold=False  VerticalSpeedHold=False  VerticalSpeedValue=1500 YawDamper=False | ON | [LocalVars.0]  XMLVAR\_Autopilot\_1\_Status=0 A320\_FCU\_SHOW\_SELECTED\_HEADING=0 A320\_NE0\_FCU\_STATE=3 [AutoPilot.0]  MasterSwitch=False AirspeedHold=True  VerticalSpeedHold=True  VerticalSpeedValue=0 YawDamper=True | OFF |

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| A320 |  |  |  |  |
| Throttle Pos **N** = {1, 2} | [Engine Parameters.1.0] [Engine Parameters.2.0]  ThrottleLeverPct=0.734375 [LocalVars.0] XMLVAR\_ThrottleNPosition=1.8251404494382021948 XML\_Airbus\_ThrottleN\_Value=0.82514044943820208378 *AIRLINER\_FMS\_SHOW\_TOP\_CLIMB=0 XML\_Airbus\_ThrottleN\_Climb=****0***  *XML\_Airbus\_ThrottleN\_Idle=1*  *XML\_Airbus\_ThrottleN\_Flex\_MCT=0*  [Engine Parameters.1.0] [Engine Parameters.2.0]  ThrottleLeverPct=0.83203125  [LocalVars.0]  XMLVAR\_ThrottleNPosition=1.9348665730337080149  XML\_Airbus\_ThrottleN\_Value=0.93486657303370801486  *AIRLINER\_FMS\_SHOW\_TOP\_CLIMB=****1*** *XML\_Airbus\_ThrottleN\_Climb=****0***  *XML\_Airbus\_ThrottleN\_Idle=1*  *XML\_Airbus\_ThrottleN\_Flex\_MCT=0*  [Engine Parameters.1.0] [Engine Parameters.2.0]  ThrottleLeverPct=0.921875  [LocalVars.0] XMLVAR\_ThrottleNPosition=2.53125 XML\_Airbus\_ThrottleN\_Value=0.53125 *AIRLINER\_FMS\_SHOW\_TOP\_CLIMB=****1*** *XML\_Airbus\_ThrottleN\_Climb=****0***  *XML\_Airbus\_ThrottleN\_Idle=0*  *XML\_Airbus\_ThrottleN\_Flex\_MCT=1*  [Engine Parameters.1.0] [Engine Parameters.2.0]  ThrottleLeverPct= 0.9609375  [LocalVars.0]  XMLVAR\_ThrottleNPosition=3.21875  XML\_Airbus\_ThrottleN\_Value=0.21875  *AIRLINER\_FMS\_SHOW\_TOP\_CLIMB=****1***  *XML\_Airbus\_ThrottleN\_Flex\_MCT=0*  *XML\_Airbus\_ThrottleN\_Climb=0*  *XML\_Airbus\_ThrottleN\_Idle=0* | Auto  =  0.734375  Climb  =  0.83203125  MCT  =  0.921875  TOGA  =  0.9609375 | <- ThrottleN\_Value could be the status, not the setting, might not be needed  🡨 Grey entries could be Status, and might not be needed, as the throttle position should control these |  |

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|  | Asking for IFR FP, recieving approach, acknowleding |  | Starting VFR Direct to Runway |  |
| ACT | [ATC\_Aircraft.0]  ActiveFlightPlan=True  RequestedFlightPlan=False  AcState=ACSTATE\_ARRIVAL  *Waypoint(n-1)..(n+x-1) inserted*  NumberofWaypoints=*n+x+1*  ClearanceFlags=1  CtCur=CLEARANCE\_VECTORS\_ROUTE  WaypointNext=*x-1*  AltCleared=8000  HdgAssigned=*VAL* LandingSequence=LANDING\_IFR\_EXPECTING\_APPROACH  ApproachIndex=2  ApproachTransitionIndex=0 RunwayIndex=0 FlightFollowing=FLIGHT\_FOLLOWING\_NO  [ATC\_ActiveFlightPlan.0]  type=IFR  [LocalVars.0]  FLIGHT\_PLAN\_MANAGER\_APPROACH\_ACTIVATED=0 |  | [ATC\_Aircraft.0]  ActiveFlightPlan=True  RequestedFlightPlan=False AcState=ACSTATE\_VFR\_ENROUTE  NumberofWaypoints=*n+1*  ClearanceFlags=882  CtCur=CLEARANCE\_NONE  WaypointNext=*n*  AltCleared=-1  HdgAssigned=-1 LandingSequence=LANDING\_NONE  ApproachIndex=-1  ApproachTransitionIndex=-1 RunwayIndex=-1 FlightFollowing=FLIGHT\_FOLLOWING\_YES  [ATC\_ActiveFlightPlan.0]  type=VFR |  |